

THE GREEN PAGES OF CONSTRUCTION CHEMICALS

KÖSTER
Waterproofing Systems

Complete product range

Edition 2012



KÖSTER
KD 2 Blitz

*Internal sealing
against pressurised
water from the
negative side*

In its three decades in the waterproofing market, the KÖSTER BAUCHEMIE AG has become an internationally established brand for high quality waterproofing systems. Our materials protect and preserve valuable buildings and structures worldwide. For many architects, engineers and applicators our "Green Pages of Construction Chemicals" have become an important tool in their daily work. The new edition of this reference book provides more illustrated information and detailed descriptions of our waterproofing systems in order to assist you in your daily work the best we possibly can.



The "Green Pages of Construction Chemicals" contain a clearly arranged overview of all of the waterproofing systems which the KÖSTER BAUCHEMIE AG offers, for new construction and for restoration. All together, our product line comprises a large number of materials and systems. KÖSTER provides economical and user friendly products for the complete field of waterproofing from the basement to the roof.

Which product is the right solution depends on many factors: the material the substrate is made of, its condition, the ground water table and the loads and exposure that the building is subjected to. In the introductory chapter of the "Green Pages" and in the product descriptions we have paved a way for you to selecting the suitable products.

Still, competent on-site advice is often the safest way to an appropriate and successful application of waterproofing materials. Our consultants are available for assistance at any time – don't hesitate to contact us.

With best regards from Aurich

Johann J. Köster
KÖSTER BAUCHEMIE AG

The fastest way to your waterproofing products – the KÖSTER distribution channel

A one-stop-shop for product guidance and delivery service

KÖSTER systems and products stand out due to their exceptionally easy and user-friendly application.

Nonetheless, technical solutions require technical explanations and we therefore support appropriate application through suitable trainings and technical consulting.

Our distribution network is based on a worldwide system of experienced technical consultants who are your first contact for technical questions and for the delivery of our products – if required directly to your construction site.

How to reach your contact person

If you are not yet a KÖSTER customer, please contact our international department for more information – everything necessary will be arranged immediately. Alternatively, all relevant information and contact details of the technical consultant in charge of your area are available on the internet:

KÖSTER International department

Phone: (+49) 40 3095 3090-0

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E-mail: info@koster.eu

Internet: www.koster.eu

CONTENT

4 The Company

6 Fields of application for KÖSTER waterproofing systems and products

External basement waterproofing	9
Internal basement waterproofing	15
Horizontal barriers and restoration of masonry	19
Crack injection and hose injection	23
Concrete protection and repair	28
Joint sealing	30
Wet room waterproofing	34
Mold control	35
Floor coatings	36
Façade protection	40
Waterproofing balconies and terraces	41
Roof waterproofing	44
Waterproofing tanks and pipes	46
Special waterproofing applications	48

52 Product range

Polymer modified bitumen waterproofing products	54
Concrete and mortar additives	58
Waterproofing systems for area waterproofing and horizontal barriers	60
Façade hydrophobization, surface protection and solidification	69
Restoration plasters, fast setting cements, special mortars	72
Epoxy coatings, concrete protection products and injection resins	82
Elastic waterproofing, special coatings, primers	93
Joint sealants, joint tapes, sealing putty	97
Maintenance and cleaning agents, thinners	101
Synthetic roof and waterproofing membranes, tapes	103
Accessories	108
Machines, injection packers, tools, aids	113

The information contained in this catalogue are non-binding and do not release persons in charge from their responsibility for the correct planning, application under consideration of the specific conditions of the construction site and for the final results of the construction process. The valid standards for testing and installation, acknowledged rules of technology as well as our technical guidelines have to be adhered to at all times.



KÖSTER: More than 25 years of waterproofing experience

KÖSTER BAUCHEMIE AG has specialized in waterproofing products and systems for decades. These systems protect and preserve buildings and structures worldwide.

Whether the subject is the restoration of historic buildings, waterproofing new buildings, restoration of masonry, waterproofing of wet basements, roofs or façades: with our comprehensive product range, we have the optimal solution.

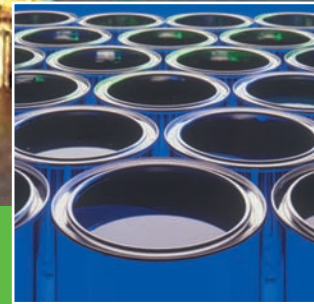
Efficient and effective waterproofing systems – around the globe

KÖSTER waterproofing systems and products are applied worldwide. The headquarters with the main production facilities in Aurich, Germany and subsidiaries in Bulgaria, China, Croatia, India, Japan, the Netherlands, Poland, Portugal, Turkey, the UK and the USA supply the sales channels worldwide. A large network of agencies and distribution centers in Germany, Europe and overseas guarantees that KÖSTER products are where they are needed shortly after they are ordered.





Our experienced technical consultants support architects, building owners and applicators with advice and practical help.



Every product reflects the state of the art and is subject to stringent quality controls.

Environmentally friendly products of the highest quality

The KÖSTER BAUCHEMIE AG invests a lot of time and effort in the research and development of new waterproofing systems and products. The KÖSTER BAUCHEMIE AG is a responsible manufacturer, who emphasizes preserving the environment by developing and producing environmentally friendly products through resource saving production.

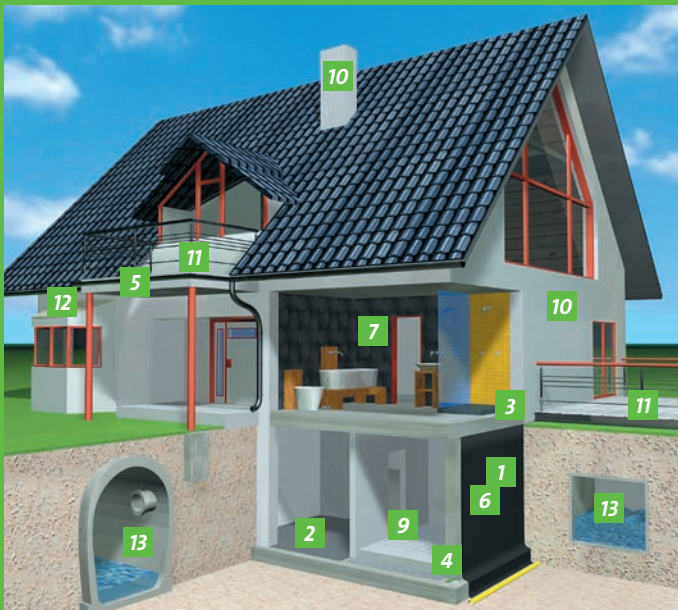
Test certificates and regular monitoring by third party laboratories confirm the high quality of KÖSTER waterproofing systems.

Your reliable partner in construction

The distribution of our products via technical consultants ensures that applicators receive the support they need in order to apply our products effectively and properly. Waterproofing material systems from KÖSTER – you can rely on them!

From professionals for professionals: Products from the KÖSTER BAUCHEMIE AG have been developed and produced to prove their value at all times during professional applications – optimized for on-site use and easy to apply with short, time saving application and curing times.





New construction: Efficient solutions for longterm reliability

From groundbreaking on every new building has to be protected against moisture and the subsequent damages.

For this, KÖSTER BAUCHEMIE AG offers a number of effective products and systems which ensure a safe waterproofing for decades – from the basement to the roof.



Repair: Maintaining valuable building substance and improving the living value

Most damages in older buildings are caused by moisture. The products and systems from the KÖSTER BAUCHEMIE AG protect successfully against moisture and its subsequent damages.

They ensure that the historical building substance is preserved, that changes in the usage of buildings become possible and that new living space is created.



Industrial buildings: Sustainable waterproofing solutions for buildings

In heavily used commercial buildings, no matter if office building, mall, power plant, production facilities, roads, tunnels, etc. Failure of the waterproofing system is never an option.

KÖSTER provides reliable solutions – also for many speciality applications

1 External basement waterproofing

- with bitumen based systems
- with mineral based systems
- with cold applied, self-adhesive waterproofing membranes
- with curtain injection
- waterproofing of pile heads
- under the foundation plate

2 Internal basement waterproofing

- on the foundation plate with mineral systems
- on the foundation plate with cold applied, self-adhesive waterproofing membranes
- in case of ground moisture, non pressurized and pressurized water
- internal basement waterproofing in the case of active water ingress

3 Horizontal barriers and restoration of masonry

- horizontal barriers beneath rising walls
- horizontal barriers with pressureless injection
- horizontal barriers with pressure injection for void-free masonry
- restoration of masonry with restoration plasters

4 Crack injection

- by pressure injection in dry or wet cracks
- pressure injection of water bearing cracks
- pressure injection of dry or wet cracks in floors
- Waterproofing of construction joints in the wall/floor junction
- construction joint injection via an injection hose
- waterproofing construction joints with a water stop board
- structural repair of concrete elements via injection

5 Concrete protection and repair

- concrete repair in areas with exposed reinforcement
- concrete repair for small areas
- concrete repair for large areas
- concrete repair for overhead work
- optical shaping of concrete surfaces
- concrete protection against acids and bases
- structural repair of concrete elements via injection

6 Joint sealing

- elastic waterproofing of construction and expansion joints on mineral and metal surfaces
- by pressure injection into dry, damp and water bearing joints
- of dilatation joints and other moving joints

7 Wet room waterproofing

- under tiles with liquid synthetics (ETAG 022 approved system)

8 Mold control

- system for interior areas, based on physical functionality

9 Floor coatings

- which are exposed to moderate stresses
- which are exposed to heavy stresses
- oil remediation system
- moisture mitigation system (vapor barrier)

10 Façade protection

- of mineral building materials against rain, splash water or condensate via hydrophobization

11 Waterproofing balconies and terraces

- with liquid applied bitumen based waterproofing systems
- with cold applied, self adhesive waterproofing membranes
- with mineral based waterproofing systems

12 Roof waterproofing

- with liquid applied polymer coatings
- with cold applied self-adhesive waterproofing membranes

13 Waterproofing tanks and pipes

- in sewage systems
- against leakages
- for drinking water environments

15 Special waterproofing projects and corrosion protection

- Waterproofing tunnels, built in mining technique
- Heavy duty corrosion protection with Silicate Mortar
- Heavy duty corrosion protection with KÖSTER PSM

HORIZONTAL BARRIERS AGAINST RISING DAMP

- *patented system*
- *easy installation*
- *suitable for hollow bricks and cracked masonry*
- *suitable even for high salt and moisture contents*

**Request
a System
Brochure!**

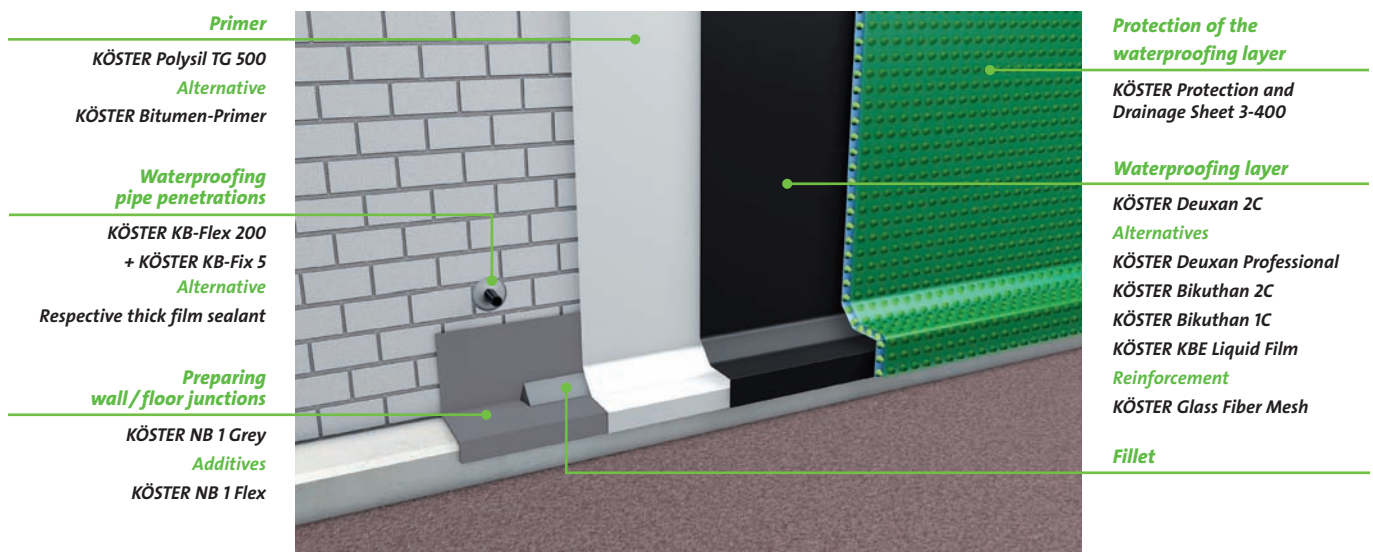
KÖSTER
Waterproofing Systems

1 External basement waterproofing



Wet basements can not be fully used and might endanger the building substance. We offer different methods for making basements permanently waterproof: From the outside with polymer-modified thick film sealants, mineral sealing slurries or a cold self-adhesive waterproofing membrane – whereby the entire external wall area is treated and thus protected from water penetration. In repair cases the external waterproofing can be installed even from the inside of the basement. This method is called “curtain injection”.

External basement waterproofing with bitumen based waterproofing systems



The use of bituminous products belongs to the standard solutions for the positive side waterproofing of basements. The systems are applied in a paste-like form and are therefore seamless. They are easy and safe to use and have crack bridging properties. On clean, solid, stable, gypsum free mineral substrates KÖSTER Polysil TG 500 is applied as a primer. This immobilizes salts present in the substrate and the substrate is solidified. When preparing to waterproof on top of old bituminous coatings KÖSTER Bitumen Primer is used.

Pipe and cable penetrations are sealed with the permanently plastic putty KÖSTER KB-Flex 200 and protected by a layer of KÖSTER KB-Fix 5. Alternatively these areas can be connected with a fillet of the respective thick film sealant or fitted with flanges.

To protect against water creeping behind the lower waterproofing connections KÖSTER NB 1 Grey mixed

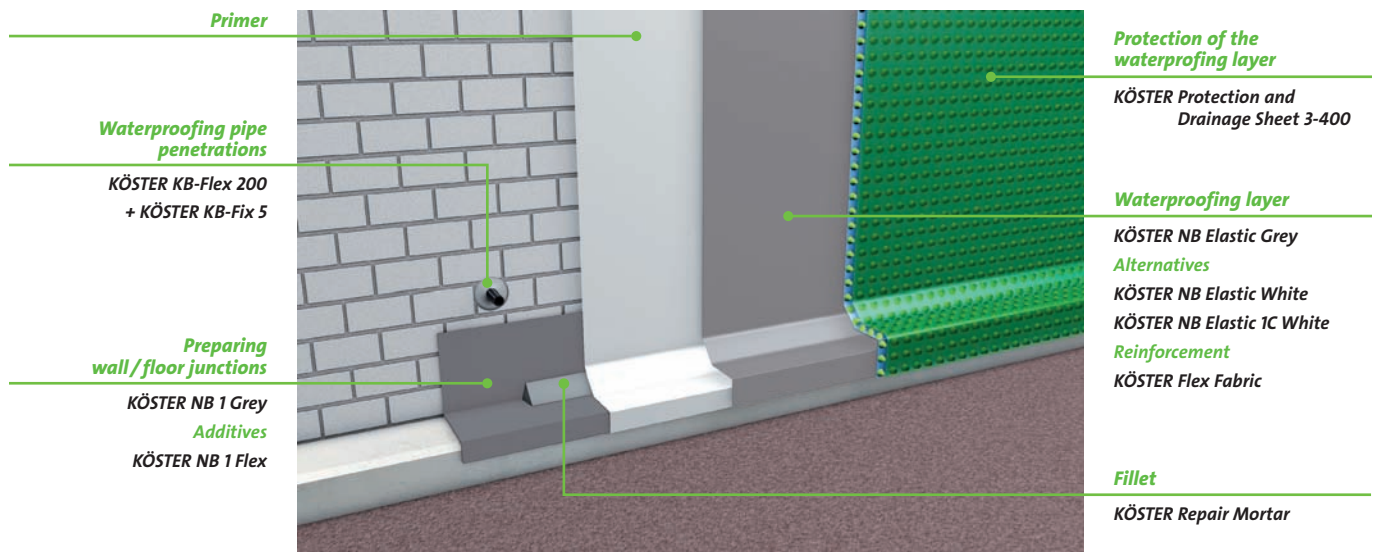
with KÖSTER NB 1 Flex is applied first. To prevent stresses in the waterproofing, rounded fillets are installed in the wall/floor junctions.

The actual area waterproofing is achieved using KÖSTER Deuxan 2C in two layers applied by trowel. KÖSTER Deuxan Professional can be spray applied. For greater ease of manual application use KÖSTER Bikuthan 1C or 2C. The addition of KÖSTER Glass Fiber Mesh is recommended in all thick film sealants and all applications. This allows for a better control of the coating thickness and safely absorbs movement in the building.

Before backfilling the positive side waterproofing is to be protected from mechanical damages and settling with KÖSTER SD Protection and Drainage Sheet.

Always adhere to the specifications in the respective Technical Guidelines.

External basement waterproofing with mineral based waterproofing systems



Mineral sealing slurries are especially robust waterproofing systems with extremely good adhesion to mineral surfaces. They are not affected by moist surfaces and become an integral part of the building structure on which they were applied. Mineral sealing slurries are paste-like and are applied seamlessly to the building element being waterproofed. They are easy and safe to apply and can be installed as rigid or crack bridging systems.

On clean, solid, stable, gypsum free mineral substrates KÖSTER Polysil TG 500 is applied as a primer. This immobilizes salts present in the substrate and the substrate is solidified.

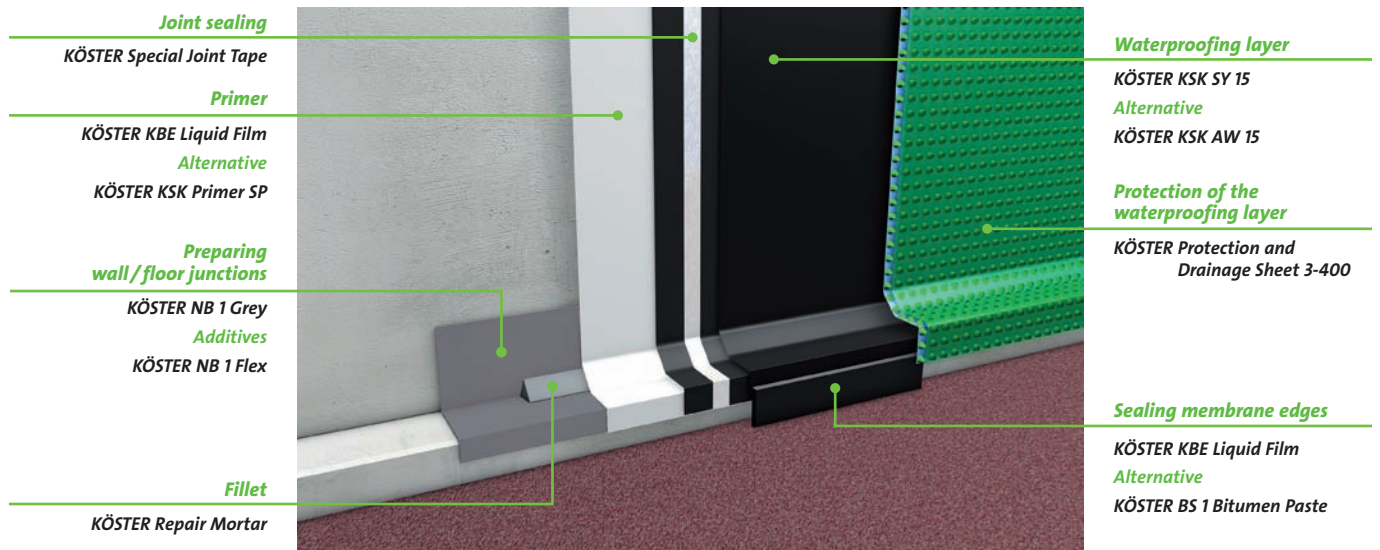
Pipe penetrations are waterproofed using KÖSTER KB-Flex 200 and sealed with KÖSTER KB-Fix 5. Alternatively these areas are to be attached to the waterproofing using proper sleeves or flanges.

The actual area waterproofing is achieved using KÖSTER NB Elastic Grey or KÖSTER NB Elastic White in two layers. The installation of KÖSTER Flex Fabric is recommended between the KÖSTER NB Elastic layers to achieve an especially visco-plastic waterproofing layer. In areas especially in danger of water creeping behind the waterproofing such as wall-floor junctions, a substrate preparation with KÖSTER NB 1 Grey mixed with KÖSTER NB 1 Flex is applied. To avoid stresses in the elastic waterproofing, rounded fillets made of KÖSTER Repair Mortar are installed in interior corners.

Before backfilling the waterproofing is protected from mechanical damages and settling with KÖSTER SD Protection and Drainage Sheet.

Always adhere to the specifications in the respective Technical Guidelines.

External basement waterproofing with cold self-adhesive waterproofing membranes



Fast, clean, and easy: Exterior basement waterproofing with KÖSTER KSK cold applied, self adhesive waterproofing membranes. No drying time, instantly watertight, with a tight control of consumption. Apply a primer coat of KÖSTER KBE Liquid Film on clean, solid substrates. In temperatures down to $-10\text{ }^{\circ}\text{C}$ use water-free KÖSTER KSK Primer SP. Pipe penetrations are sealed using flanges cut to size from KÖSTER KSK Membranes. In areas especially in danger of water creeping behind the waterproofing such as wall-floor junctions, a substrate preparation with KÖSTER NB 1 Grey mixed with KÖSTER NB 1 Flex is applied. To avoid stresses in the elastic waterproofing, rounded fillets made of KÖSTER Repair Mortar are installed in interior corners.

The actual area waterproofing is generally done with KÖSTER KSK SY 15. It is applied crease free to the substrate. The membranes are overlapped 10 cm. Corners

and connections are made according to the directions on the packaging and according to the Technical Guidelines, and these areas are covered with KÖSTER KBE Liquid Film. On vertical areas the top edge is mechanically fastened and these fasteners are also coated with KÖSTER KBE Liquid Film. In temperatures down to $-10\text{ }^{\circ}\text{C}$ use KÖSTER KSK AW 15 instead of KÖSTER KSK SY 15. In this case the overlapped edges, corner details and mechanical fasteners are coated with KÖSTER BS 1 Bitumen Paste.

Before backfilling the waterproofing is protected from mechanical damage and settling with KÖSTER SD Protection and Drainage Sheet.

Always adhere to the specifications in the respective Technical Guidelines.

External basement waterproofing with curtain injection



Pump

KÖSTER Gel-Pump

Injection packers

KÖSTER Injection Lance

Alternatives

KÖSTER Distributor Lance

KÖSTER Impact Packer 18 plus

Waterproofing layer

KÖSTER KB-Pur Gel

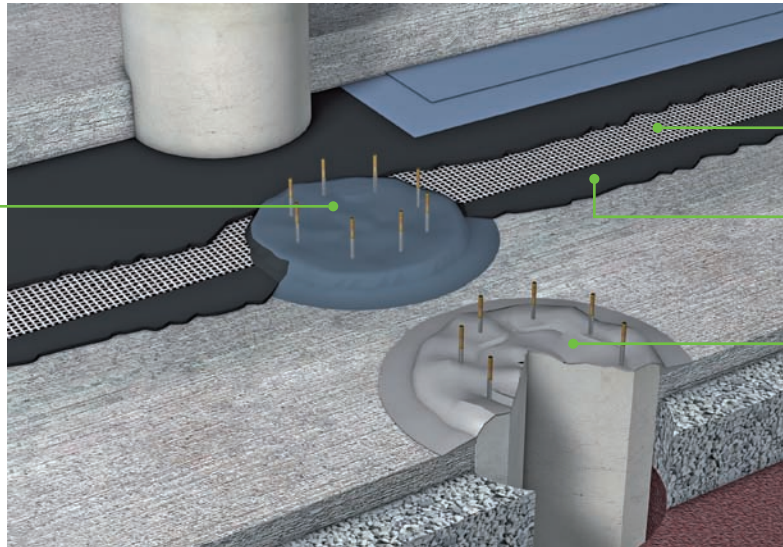
Exterior basement waterproofing from inside the building? In the case of renovation it is not always possible to expose the exterior walls through excavation. For example, where the area to be excavated is built upon, traffic concerns impede the excavation, or the economic cost of excavation is deemed too high. In this case you would first think of an internal (negative side) basement waterproofing, but in some cases, such as in historical buildings or buildings with special architectural requirements, this may not be desirable.

In these cases a curtain injection with KÖSTER KB-Pur Gel is possible: The resin is injected through the wall from the inside to the outside. The resin

reacts with water and binds it resulting in a waterproof, elastic solid. The injection is carried out with a special two-component pump, KÖSTER Gel Pump, and through patented KÖSTER Distributor Lances. The injection material is dispersed on the exterior wall and in a short time reacts to a waterproofing layer. An alternative method is injecting KÖSTER KB-Pur Gel into the building member itself. This so-called "area injection" is possible in porous or hollow building materials. In this case the KÖSTER KB-Pur Gel also reacts with any water present to form a waterproof, elastic solid.

Always adhere to the specifications in the respective Technical Guidelines.

Waterproofing pile heads



Waterproofing pile heads

KÖSTER NB 1 Grey

Gliding Layer

PE-Foil

Reinforcement

KÖSTER Glass Fiber Mesh

Waterproofing layer

KÖSTER Deuxan 2C

Reprofiling

KÖSTER Repair Mortar
+ KÖSTER Z1/Z2

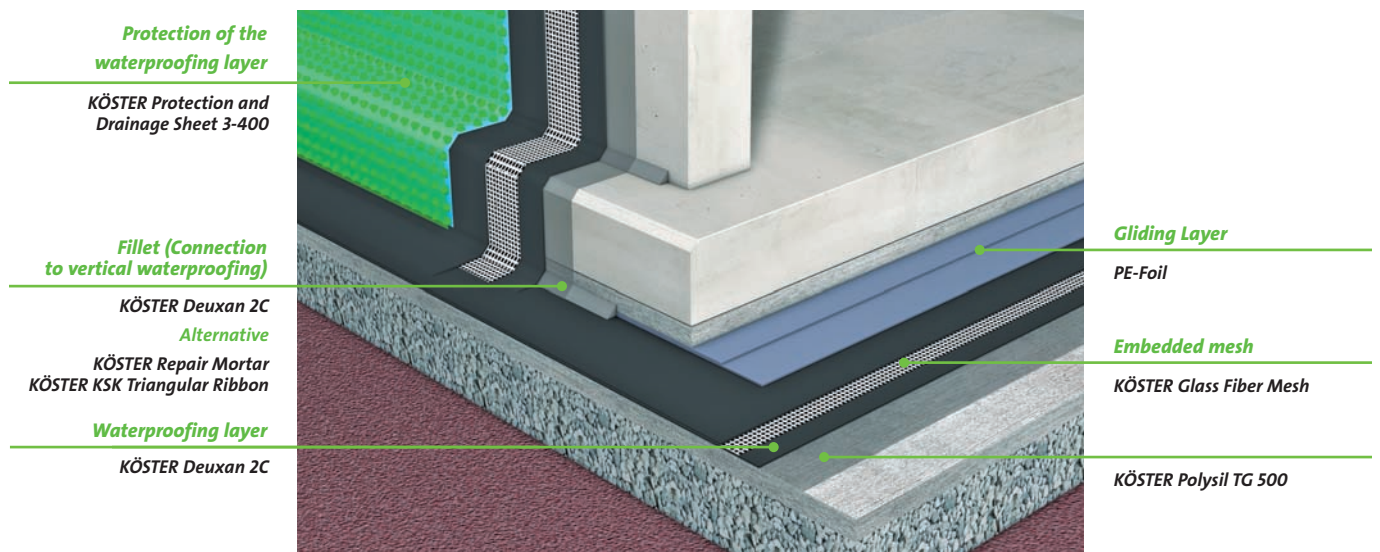
Damage in existing buildings is often caused by leaking pile foundations. Water can enter the building through the construction joints or it makes its way along the reinforcement steel. The waterproofing of pile heads has to withstand heavy loads from the whole building and it needs to be easily connected to the area waterproofing.

At first all non load bearing materials and separating substances have to be removed from the surface of the pile head. After that, the surface has to be levelled and reprofiled with KÖSTER Repair Mortar. This reprofiling must also include the installation of a fillet adjacent to the pile head. KÖSTER NB 1 Grey is used to waterproof the pile head.

The waterproofing on top of the blinding layer is made with KÖSTER Deuxan 2C. Embed KÖSTER Glass Fiber Mesh into the fresh first layer. Before pouring the concrete for the floor slab a gliding layer consisting of two layers of customary PE-Foil is applied between the waterproofing and the concrete. Protect the waterproofing layer from mechanical damage when continuing with the application.

Always adhere to the specifications in the respective Technical Guidelines.

Waterproofing under the foundation plate



A complete waterproofing system in new construction includes waterproofing the floor slab. Compared to the application on top of the concrete slab the installation of the waterproofing layer underneath the foundation plate keeps the foundation dry and the concrete provides a better thermal insulation.

First a primer such as KÖSTER Polysil TG 500 is applied to the clean, sound and solid substrate. KÖSTER Polysil TG 500 is a standard primer that locks existing salts into the substrate, hardens the substrate and provides a better bond between the waterproofing and the substrate.

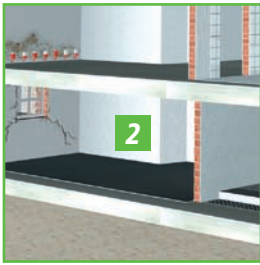
The main area waterproofing made of KÖSTER Deuxan 2C is applied in two layers with KÖSTER Glass Fiber Mesh embedded in the fresh first layer. It is gen-

erally recommended to embed the KÖSTER Glass Fiber Mesh between layers as it provides an easy control of the layer thickness and absorbs the forces created by movement in the building.

Before pouring the foundation plate, PE-Foil is installed in two layers to act as a gliding layer between the waterproofing material and the concrete. The waterproofing layer needs to be protected, e.g. by a layer of unreinforced concrete. The vertical waterproofing is connected to the side waterproofing layer underneath the foundation plate. A fillet made from KÖSTER Deuxan 2C is to be installed in the connection area or KÖSTER KSK Triangular Ribbon.

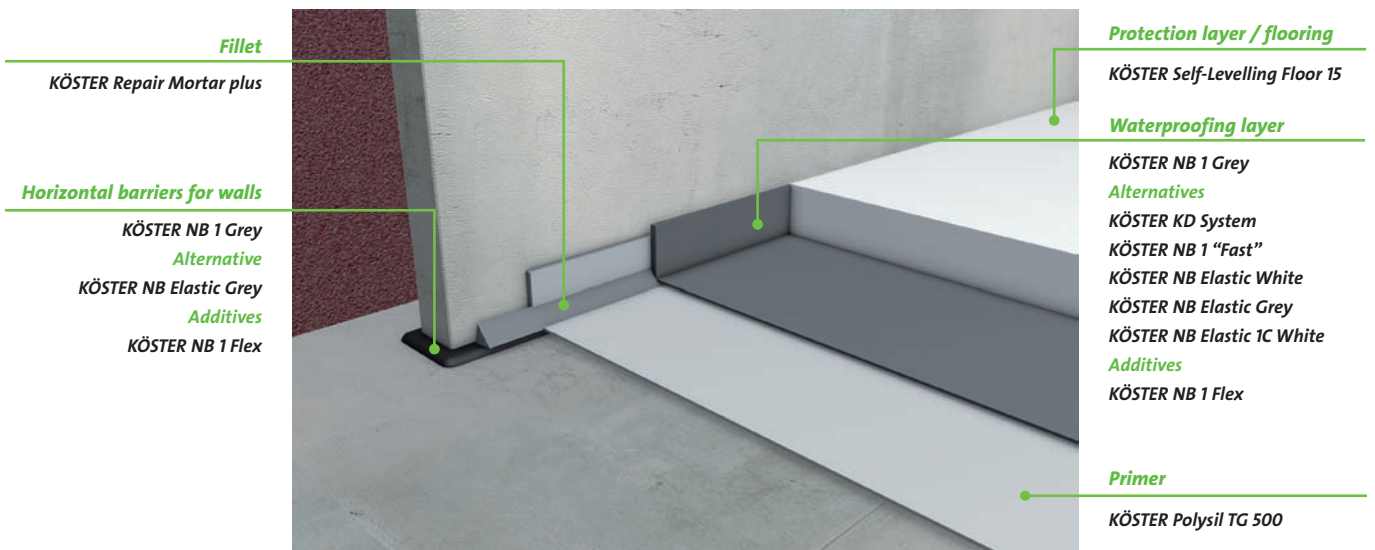
Always adhere to the specifications in the respective Technical Guidelines.

2 Internal basement waterproofing



In a repair situation the basement can be waterproofed from the inside without excavating the soil around the building. This means that the basement is permanently waterproofed without the necessity of doing any sort of earthwork. This type of waterproofing is possible with the KÖSTER systems even when the wall has active leakages. Subsequently a diffusion-open restoration plaster is applied after successful waterproofing.

Internal basement waterproofing of the foundation plate with mineral systems



Mineral waterproofing systems have the advantage of excellent bonding properties of the waterproofing material to mineral substrates, the bond between the individual waterproofing layers is excellent too. The longevity of such systems is ideally the lifetime of the building.

To avoid moisture rising through the wall due to capillary action, it is necessary to install a horizontal barrier beneath the wall made from KÖSTER NB 1 Grey (mixed with KÖSTER NB 1 Flex) or the crack bridging material KÖSTER NB Elastic.

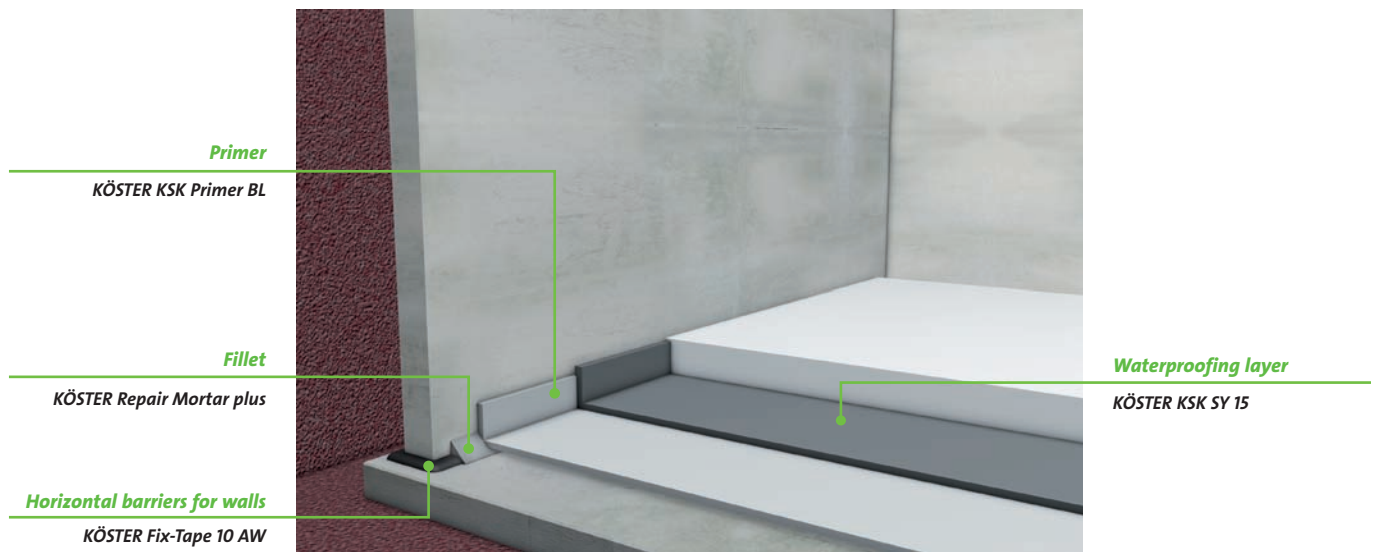
To harden the substrate the bottom slab is primed with KÖSTER Polysil TG 500. At the wall floor junction a fillet made from KÖSTER Repair Mortar plus is installed to prevent stresses in the subsequent waterproofing layers.

The area waterproofing is normally achieved with KÖSTER NB 1 Grey mixed with KÖSTER NB 1 Flex. For an extra fast application KÖSTER NB 1 "Fast" is the product of choice. In case of pressurized water the waterproofing needs to be done with the KÖSTER KD System. KÖSTER Self Levelling Floor 15 is ideal for protecting the surface.

Alternatively the crack bridging waterproofing products KÖSTER NB Elastic Grey, KÖSTER NB Elastic White or KÖSTER NB Elastic 1C White can be used to waterproof the floor slab.

Always adhere to the specifications in the respective Technical Guidelines.

Internal basement waterproofing of the foundation plate with cold-adhesive waterproofing membranes



Fast, easy application without long waiting times: Waterproofing of the floor slab with KÖSTER KSK cold applied, self adhesive waterproofing membranes.

To avoid rising moisture, it is necessary to install a horizontal barrier underneath the wall with KÖSTER Fix-Tape AW 10 Elastic. At the wall floor junction a fillet made from KÖSTER Repair Mortar plus has to be installed to prevent stresses in the subsequent waterproofing layers.

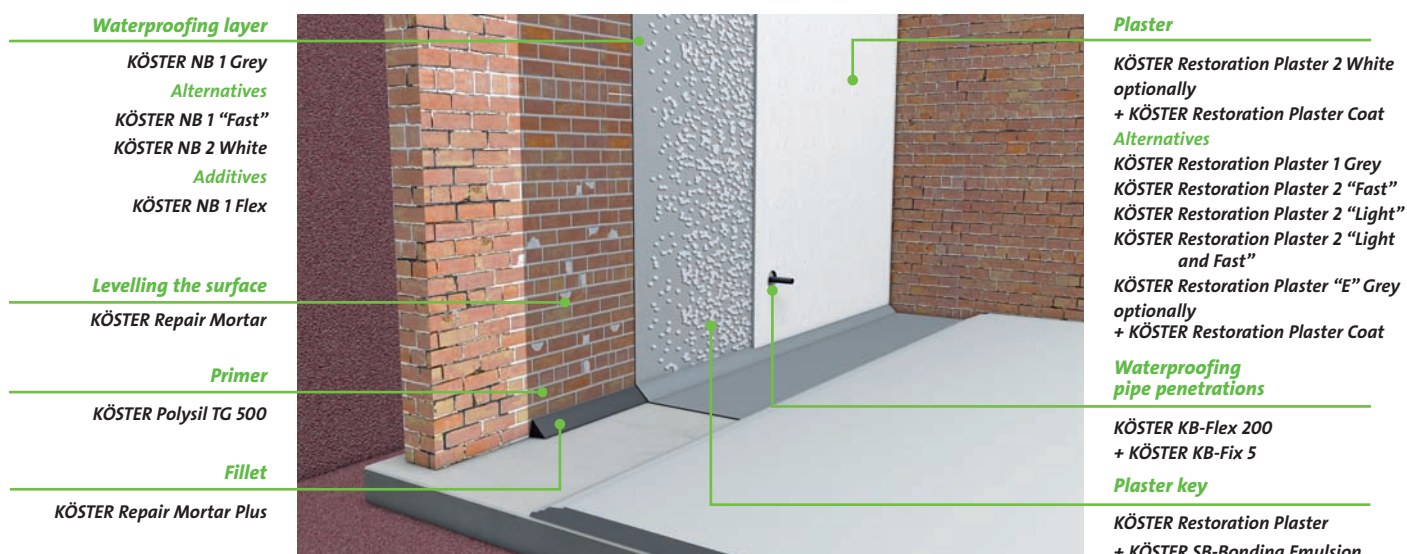
The priming is done with the solvent free KÖSTER KSK Primer BL. Standardly the primed surface of the

floor slab is waterproofed with the cold applied, self adhesive waterproofing membrane KÖSTER KSK SY 15. Overlap the joints 10 cm.

The applied KÖSTER KSK Membranes have to be protected from mechanical damage as work continues. It also needs to be connected to the vertical waterproofing of the adjacent walls.

Always adhere to the specifications in the respective Technical Guidelines.

Internal basement waterproofing in case of ground moisture, non pressurized and pressurized water



Retroactive waterproofing in existing buildings needs to be done with mineral waterproofing systems. They have excellent bonding characteristics to mineral surfaces and also won't detach from wet and moist substrates.

The material is applied to substrates that have to be sound and solid as well as free from bond inhibiting agents. Older plaster coats have to be removed and joints raked out and all loose particles have to be removed. As primer, KÖSTER Polysil TG 500 is used. It hardens the substrate as well as reduces the mobility of salts. Masonry repair and the installation of a fillet at the wall-floor junction is done with KÖSTER Repair Mortar Plus.

KÖSTER NB 1 Grey is used as the waterproofing layer. For a faster installation use KÖSTER NB 1 "Fast". To harden the material, KÖSTER Polysil TG 500 is sprayed on top of the slurry. To get a lighter surface finish use KÖSTER NB 2 White for the final coating.

Pipe penetrations are waterproofed using KÖSTER KB-Flex 200 and sealed with KÖSTER KB-Fix 5.

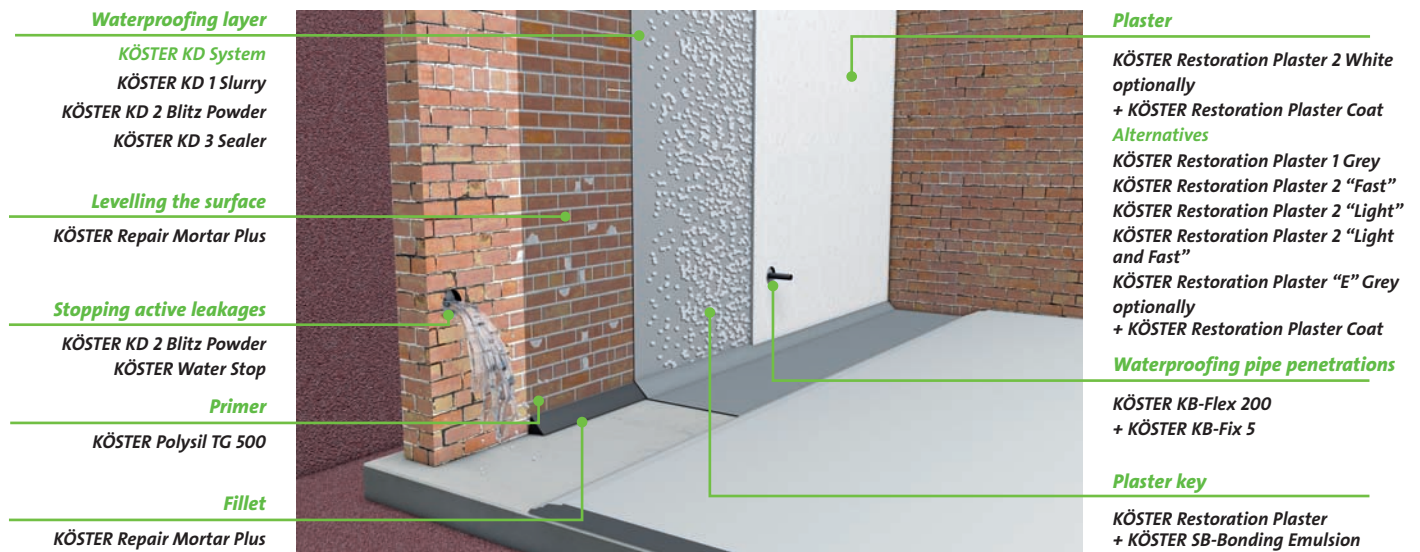
In the case of damage to basement walls caused by moisture generally KÖSTER Restoration Plaster should

be applied. KÖSTER Restoration Plasters are specially designed for the restoration of masonry with high salt and moisture contents. KÖSTER Restoration Plasters help to dry out the wall and absorb remaining salts. They don't contain lime or gypsum, are open to water vapor diffusion and create a healthy and comfortable room climate.

Before the application of the main plaster coat, a plaster key made from the chosen KÖSTER Restoration Plaster mixed with KÖSTER SB-Bonding Emulsion is applied to provide a larger surface area and ensure an optimal bond to the substrate. KÖSTER Restoration Plasters are available in different varieties (grey, white, fast and light). KÖSTER Restoration Plaster 2 White is often used in older buildings without subsequent painting. KÖSTER Plaster Coat creates a very smooth surface and can be applied when desired to meet architectural goals. KÖSTER Restoration Plasters can only be painted over with breathable (open to vapor diffusion) paints such as KÖSTER Silicon Paint White or KÖSTER MF1.

Always adhere to the specifications in the respective Technical Guidelines.

Internal basement waterproofing in case of flowing water



A very difficult situation: The basement waterproofing has to be done from the inside but the water is actively entering the building. Often the only solution is the KÖSTER KD-System.

KÖSTER KD 2 Blitz powder is applied directly by hand to the active leakage. The powder reacts within a few seconds and forms a waterproof mortar. When the active leakages are stopped the waterproofing layer of KÖSTER KD 1 Base, KÖSTER KD Blitz powder and KÖSTER KD 3 Sealer can be applied.

The material is applied to substrates that have to be sound and solid as well as free of bond inhibiting agents. Older plaster coats have to be removed and joints raked out and all loose particles have to be removed. Generally the substrate is primed by pre-wetting. Repairs and the installation of the fillet at the wall-floor junction are done with KÖSTER Repair Mortar Plus.

KÖSTER KD 1 Base is applied as the waterproofing layer and is brushed onto the substrate. KÖSTER KD 2 Blitz Powder is rubbed onto the still wet surface, immediately creating a dry waterproofed layer. To harden and to strengthen this layer the third part of the system, KÖSTER KD 3 Sealer, is applied. To waterproof the Basement completely another two layers of KÖSTER KD 1 Base is applied over the first.

Pipe penetrations are waterproofed with KÖSTER KB-Flex 200 Sealing Paste and plugged with KÖSTER KB-Fix 5.

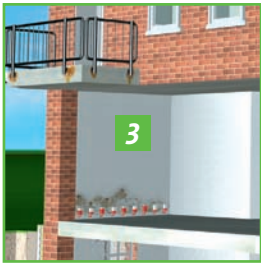
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Always adhere to the specifications in the respective Technical Guidelines.

3 Horizontal barriers Restoration of masonry



Rising moisture in masonry over a longer period of time can lead to considerable damages. Indication of these damages are salt efflorescence, flaking plaster, moist wallpaper and the formation of mold which can be harmful. KÖSTER horizontal barriers stop rising moisture in new construction and existing buildings to protect the valuable building substance.

Horizontal barriers underneath rising walls (new construction)



Horizontal Barrier

KÖSTER Fixband 10 AW

Alternatives

KÖSTER NB 1 Grey

KÖSTER NB Elastic Grey

Additives

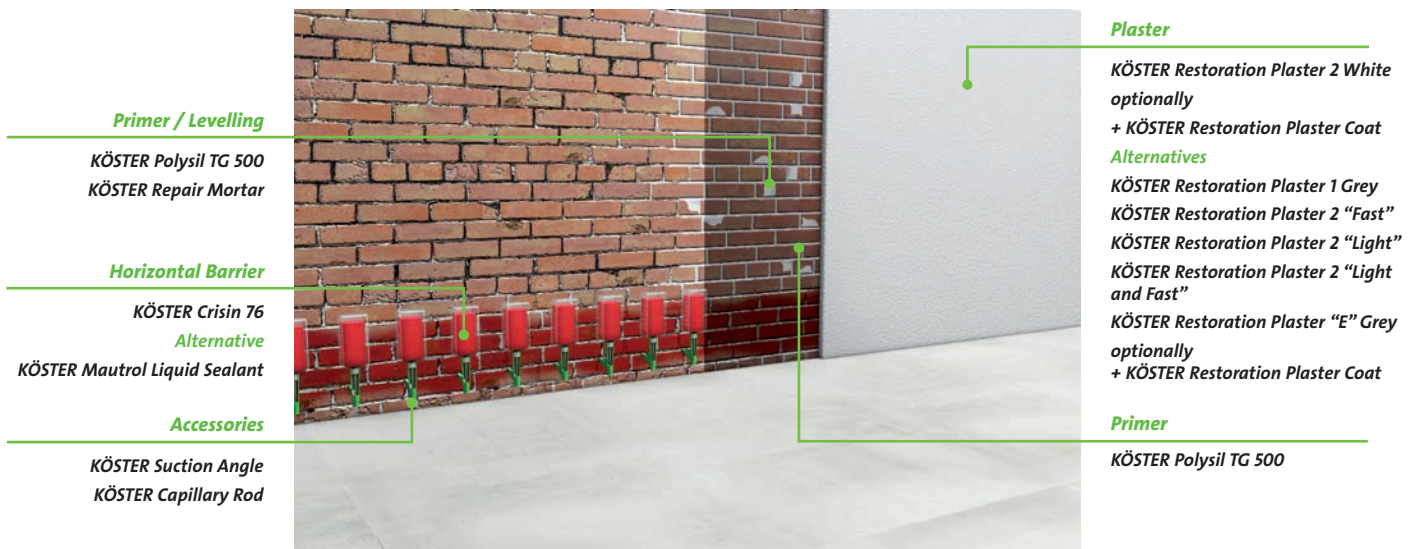
KÖSTER NB 1 Flex

A horizontal waterproofing beneath walls in new construction is required to avoid rising moisture due to capillary action in masonry or concrete. For this application many KÖSTER products can be used. KÖSTER Fix-Tape 10 AW is a self adhesive waterproofing tape which is easy and fast to apply. Alternatively

the waterproofing slurry KÖSTER NB 1 Grey (mixed with KÖSTER NB 1 Flex) or the crack bridging waterproofing material KÖSTER NB Elastic Grey are used.

Always adhere to the specifications in the respective Technical Guidelines.

Horizontal barriers with pressureless injection (repair)



Primer / Levelling

KÖSTER Polysil TG 500
KÖSTER Repair Mortar

Horizontal Barrier

KÖSTER Crisin 76
Alternative
KÖSTER Mautrol Liquid Sealant

Accessories

KÖSTER Suction Angle
KÖSTER Capillary Rod

Plaster

KÖSTER Restoration Plaster 2 White
optionally
+ KÖSTER Restoration Plaster Coat

Alternatives

KÖSTER Restoration Plaster 1 Grey
KÖSTER Restoration Plaster 2 "Fast"
KÖSTER Restoration Plaster 2 "Light"
KÖSTER Restoration Plaster 2 "Light and Fast"
KÖSTER Restoration Plaster "E" Grey
optionally
+ KÖSTER Restoration Plaster Coat

Primer

KÖSTER Polysil TG 500

Rising (or "wicking") moisture is among the most frequently encountered causes of damage in masonry walls. The results are clearly identifiable through the spalling of plaster, damaged joints and bricks, and also through salt efflorescence and algae growth. Damage from rising moisture can be avoided by the installation of a horizontal barrier.

The easiest and most successful KÖSTER system to install a horizontal barrier in existing walls is the KÖSTER Suction Angle System with KÖSTER Crisin®76. KÖSTER Crisin®76 is a very thin fluid resin which penetrates into the smallest capillaries in the building material, stops the capillary action permanently and also has a hydrophobizing effect.

Boreholes are drilled regularly spaced depending on the wall thickness. KÖSTER Crisin®76 is injected without pressure into the wall via the KÖSTER Suction Angle and the KÖSTER Capillary Rod which acts as a wick. The pressureless system uses the same capillary action which is the cause for rising damp. Thereby rising moisture is stopped with the aid of its cause. The big advantage of the KÖSTER Capillary Rod is that it doesn't waste material in cracks or voids. Only where the rod touches the wall of the borehole will the material be released.

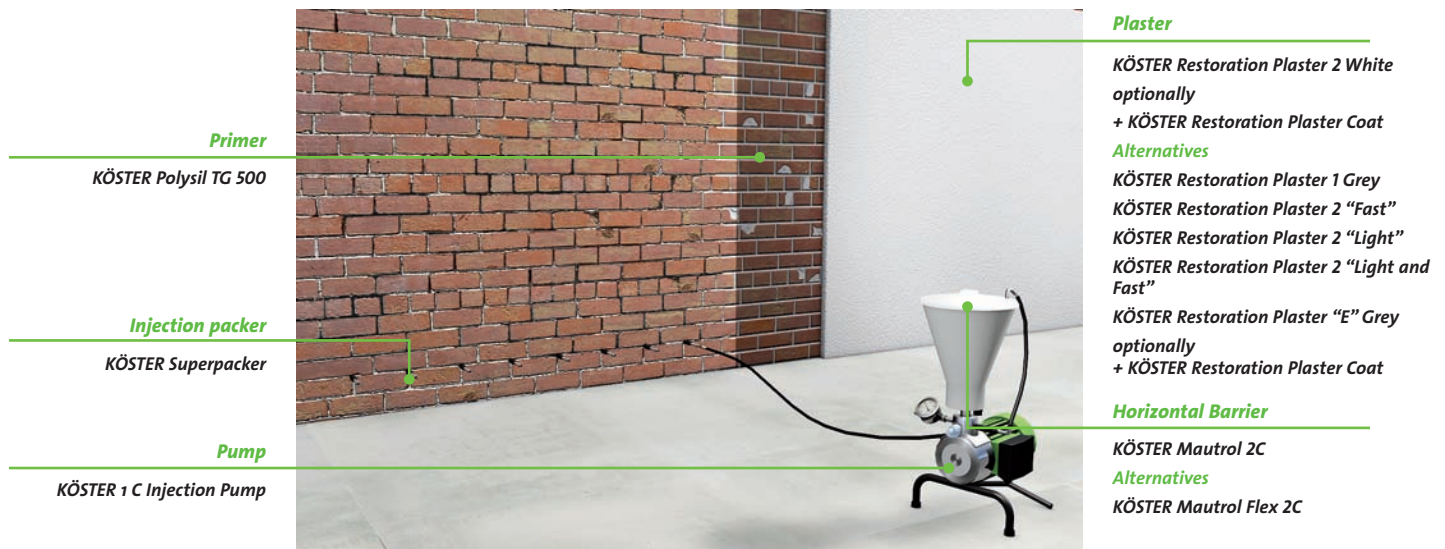
In some cases such as in less moist walls KÖSTER Mautrol Liquid Sealant can also be applied. Before the application an analyses of the moisture content and the salt content must be carried out.

In cases where damage is caused by rising moisture the old plaster has to be removed from the wall. After the installation of the horizontal barrier the application of KÖSTER Restoration Plaster is required. KÖSTER Restoration Plaster allows the masonry to dry without damage. KÖSTER Restoration plasters are open to vapor diffusion and are hydrophobic. Salts remaining in the wall are absorbed by the KÖSTER Restoration Plasters so that salt doesn't effloresce to the surface and doesn't cause damage to the plaster or paint.

KÖSTER Restoration Plasters are available in different varieties (grey, white, fast and light). KÖSTER Restoration Plaster 2 White is often used in older buildings without subsequent painting. KÖSTER Plaster Coat creates a very smooth surface and can be applied when desired to meet architectural goals. KÖSTER Restoration Plasters can only be painted over with breathable (open to vapor diffusion) paints such as KÖSTER Silicon Paint White or KÖSTER MF 1.

Always adhere to the specifications in the respective Technical Guidelines.

Horizontal barriers with pressure injection for voidless masonry



Fast and effective: The installation of a horizontal barrier via pressurized injection. When it is possible to ensure that the wall is free of cracks or voids, the horizontal barrier can be installed with a pressurized injection system. Cracks and voids which become apparent during the drilling process can be filled with KÖSTER Borehole Suspension. After filling, the borehole is re-drilled.

Suitable injection liquids for this kind of application are KÖSTER Mautrol® 2C and KÖSTER Mautrol® Flex 2C. Two component materials have a faster setting time which causes a quicker blockage of the capillaries.

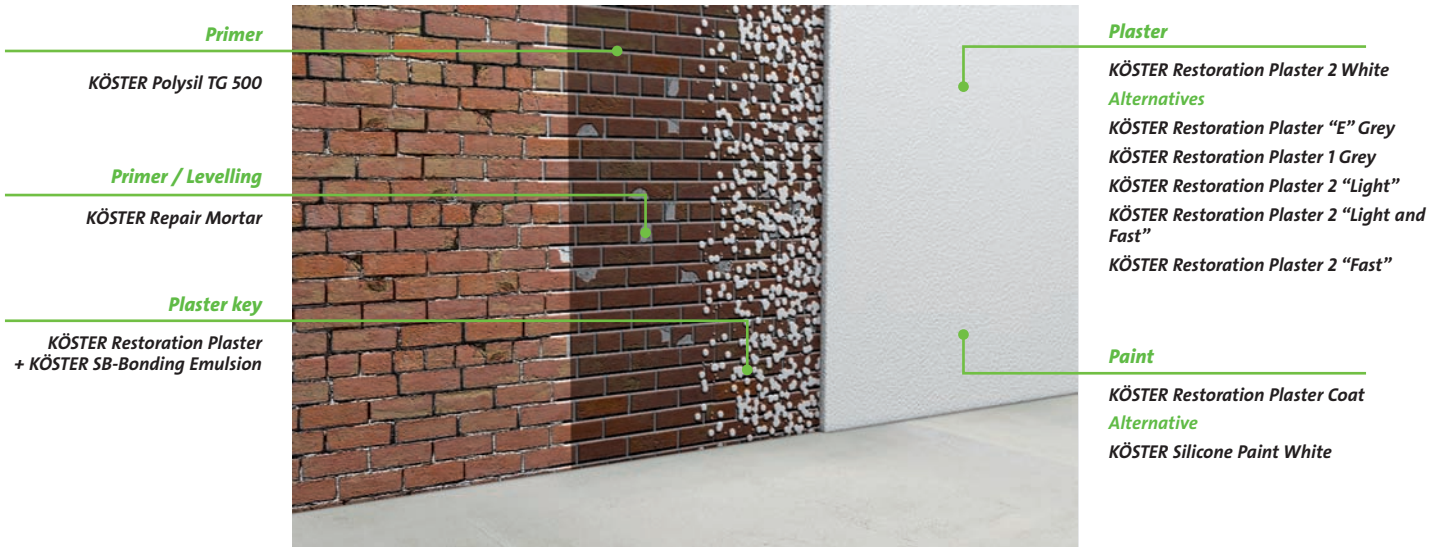
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Restoration Plaster allows the masonry to dry without damage. KÖSTER Restoration plasters are open to vapor diffusion and are hydrophobic. Salts remaining in the wall are absorbed by the KÖSTER Restoration Plasters so the salt doesn't effloresce to the surface and doesn't cause damage to the plaster or paint.

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Restoration of masonry with restoration plasters



When masonry is just slightly moist often a restoration with KÖSTER Restoration Plasters is enough to dry the wall and stop damage from occurring. In this case the old plaster has to be removed from the wall and the joints raked out. All loose particles have to be removed to provide a stable and absorptive, open-pored surface. Priming with KÖSTER Polysil TG 500 optimally prepares the masonry for the application of KÖSTER Restoration Plaster. KÖSTER Polysil TG 500 hardens the substrate as well as reduces the mobility of salts. Masonry repairs are carried out with KÖSTER Repair Mortar Plus.

Before the application of the main plaster coat, a plaster key made from the chosen KÖSTER Restoration Plaster mixed with KÖSTER SB-Bonding Emulsion is applied to provide a larger surface area and to ensure an optimal bond to the substrate.

KÖSTER Restoration Plaster allows the masonry to dry without damage. KÖSTER Restoration plasters are open to vapor diffusion and are hydrophobic. Salts remaining in the wall are absorbed by the KÖSTER Restoration Plasters so that salt doesn't effloresce to the surface and doesn't cause damage to the plaster or paint.

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4 Crack injection



Cracks in the building substance are structurally weak points. Additionally, penetrating water may cause damage and may reduce the usage and lifetime of the building. An elastic sealing or structural-bonding of the crack is required. In order to achieve this, the crack is filled over its entire course with a polyurethane injection resin via pressure injection. The injection resins which are applied can also be used in drinking water environments.

Crack injection by pressure injection in dry or wet cracks



Injection packer

KÖSTER Superpacker
Alternatives
KÖSTER Packer
KÖSTER One-Day-Site Packer
KÖSTER Impact Packer 12

Injection Resin

KÖSTER KB-Pur 2 IN 1
Alternatives
KÖSTER KB-Pur IN 3
KÖSTER KB-Pur IN 5
KÖSTER Micro Grout 1C

Pump

KÖSTER 1C-Injection Pump

Dry or wet cracks are sealed permanently with KÖSTER injection materials.

KÖSTER KB-Pur 2 IN 1 is the standard material for waterproofing cracks. The material forms a foam when it comes in contact with water and stops it by reacting with the water or displacing it. A second injection using the same material permanently and elastically waterproofs the crack.

KÖSTER KB-Pur IN 3 is used for the structural bonding of cracked or damaged building elements.

KÖSTER KB-Pur IN 5 is a very low viscous polyurethane injection resin with a very long pot life. It is especially suitable for injection into very small and fine cracks.

KÖSTER Micro Grout 1C is a mineral injection material which is ideal to fill voids and cracks of medium width. The material has excellent adhesion properties even to damp substrates. It also possesses a very high

compressive strength after curing.

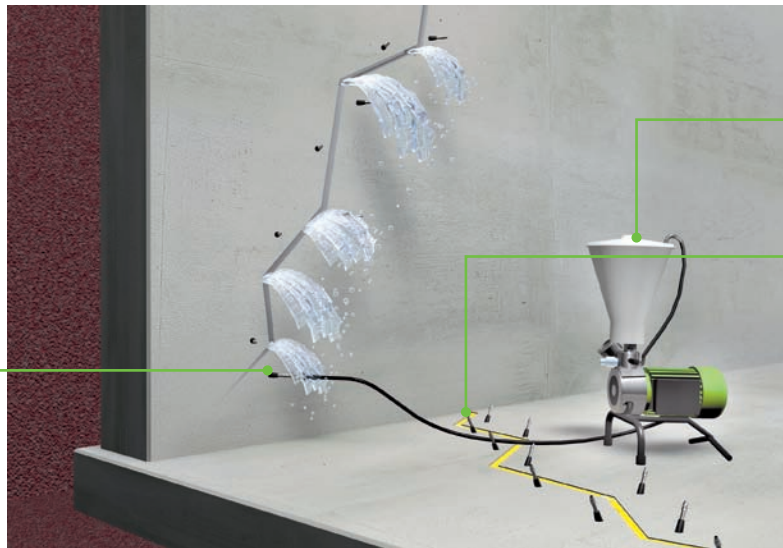
All KÖSTER injection resins are installed with the KÖSTER 1C Injection Pump via injection valves called "Packers" into the crack. Depending on the application, different packers are available. KÖSTER Impact Packers "12" are installed very quickly and are recommended for low to medium pressure.

KÖSTER Packers and KÖSTER Superpackers are used for all applications from low to high pressure.

KÖSTER One Day Site Packers have an extra valve so that the upper part of the packer can be removed directly after injection and the hole plugged. The borehole stays pressure sealed.

Always adhere to the specifications in the respective Technical Guidelines.

Crack injection by pressure injection in water bearing cracks



KÖSTER Superpacker
Alternatives
KÖSTER Packer
KÖSTER One-Day-Site Packer
KÖSTER Impact Packer 12

Pump

KÖSTER 1C-Injection Pump

Waterstop

KÖSTER KB-Pur IN 1
Alternatives
KÖSTER KB-Pur 2 IN 1
KÖSTER KB-Pur 7
Permanent Sealer
KÖSTER KB-Pur IN 2
Alternatives
KÖSTER KB-Pur 2 IN 1

In case of water actively leaking from a crack a combination of KÖSTER KB-Pur IN 1 (very fast foaming after contact with water) and KÖSTER KB-Pur IN 2 (used for permanently sealing the crack) is applied.

KÖSTER KB-Pur IN 7 is also a very fast foaming injection resin which creates a permanently elastic seal. KÖSTER KB-Pur IN 7 needs to have contact with water to build foam and for curing.

All KÖSTER injection resins are installed with the KÖSTER 1C Injection Pump via injection valves called "Packers" into the crack. Depending on the application, different packers are available.

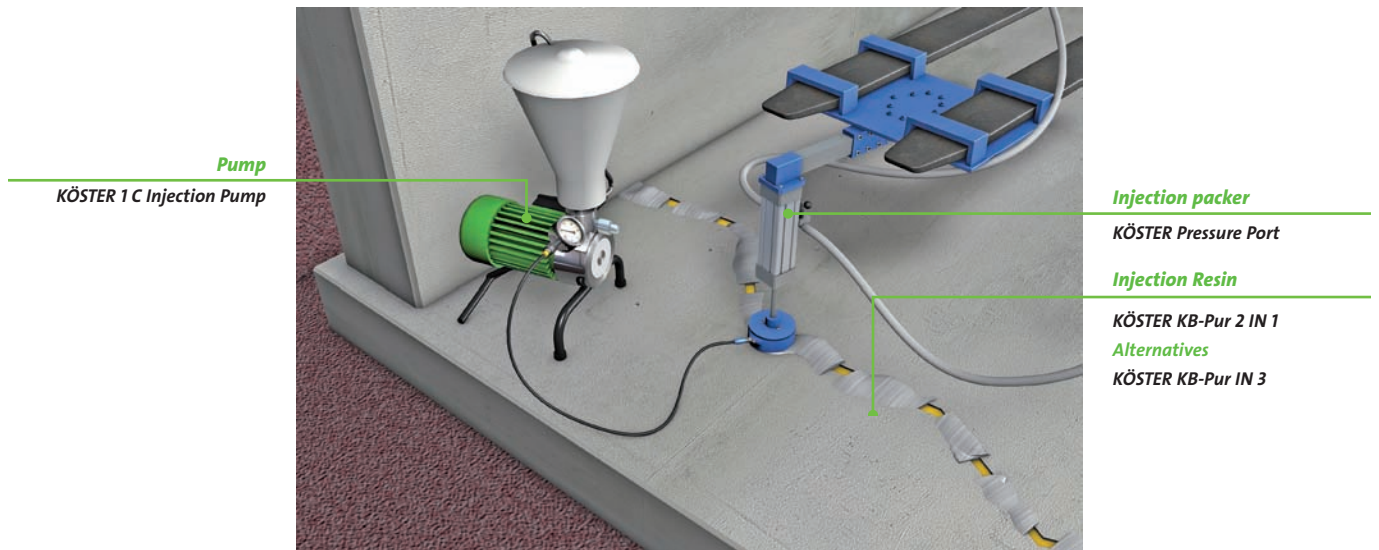
KÖSTER Impact Packers "12" are installed very quickly and are recommended for low to medium pressure.

KÖSTER Packers and KÖSTER Superpackers are used for all applications from low to high pressure.

KÖSTER One Day Site Packers have an extra valve so that the upper part of the packer can be removed directly after injection and the hole plugged. The borehole stays pressure sealed.

Always adhere to the specifications in the respective Technical Guidelines.

Crack injection by pressure injection on dry or moist cracks in floors



A special solution for waterproofing cracks in floor slabs is injection via the KÖSTER Pressure Port. The plunger of the KÖSTER Pressure Port is pressed down over the crack. For the injection of large areas the major advantage of this method is that no boreholes and packers have to be installed for injection. Before the application of the resin the crack is pre-wetted and filled with KÖSTER KD 2 Blitzpowder, (holes are left open at regular intervals). The injection occurs via the KÖSTER Pressure Port.

KÖSTER KB-Pur 2 IN 1 is the standard material for waterproofing cracks. The material forms foam when

it comes in contact with water and stops it by reacting with the water or displacing it. A second injection using the same material permanently and elastically waterproofs the crack.

KÖSTER KB-Pur IN 3 is used for the structural bonding of cracked or damaged building elements.

The material is injected with the KÖSTER Injection Pump through the KÖSTER Pressure Port.

Always adhere to the specifications in the respective Technical Guidelines.

Waterproofing construction joints in the wall/floor junction



Injection Resin

KÖSTER KB-Pur IN 5
Alternatives
 KÖSTER KB-Pur 2 IN 1

Pump

KÖSTER 1C-Injection Pump

Injection packer

KÖSTER Superpacker
Alternatives
 KÖSTER Packer
 KÖSTER One-Day-Site Packer
 KÖSTER Impact Packer 12

For retroactive waterproofing of the wall-floor junction the boreholes have to be drilled transecting the construction joint. The borehole should be drilled approximately into the middle of the construction joint.

For this application KÖSTER Superpackers or KÖSTER One Day Site Packers are used. The injection is done with the KÖSTER 1C Injection Pump.

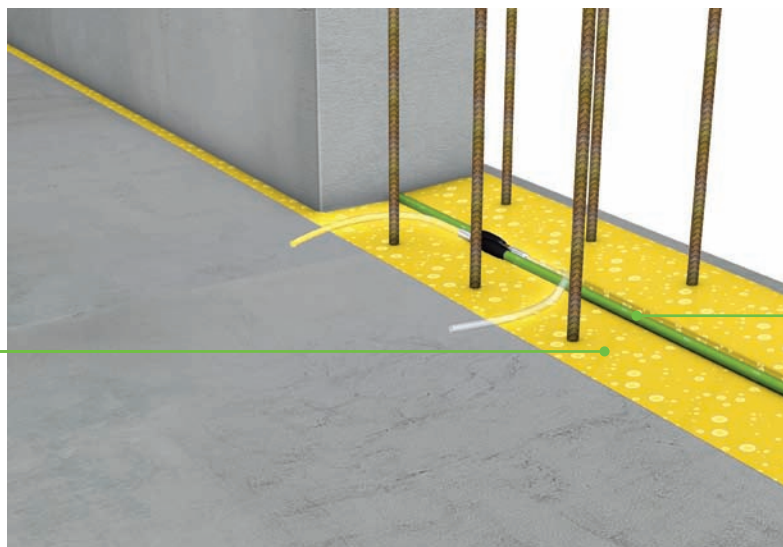
For this KÖSTER KB-Pur IN 5 can be used, which is a very low viscous polyurethane injection resin with a

very long pot life. It will pass into the small and finest cracks along the construction joint.

In case of flowing water or when it is not certain if the crack is dry or wet KÖSTER KB-Pur 2 IN 1 is injected. It is injected twice 10 – 20 minutes apart to ensure that the joint is permanently and elastically sealed.

Always adhere to the specifications in the respective Technical Guidelines.

Injection of construction joints via hose injection



Injection Resin

KÖSTER KB-Pur IN 5

Injection hose

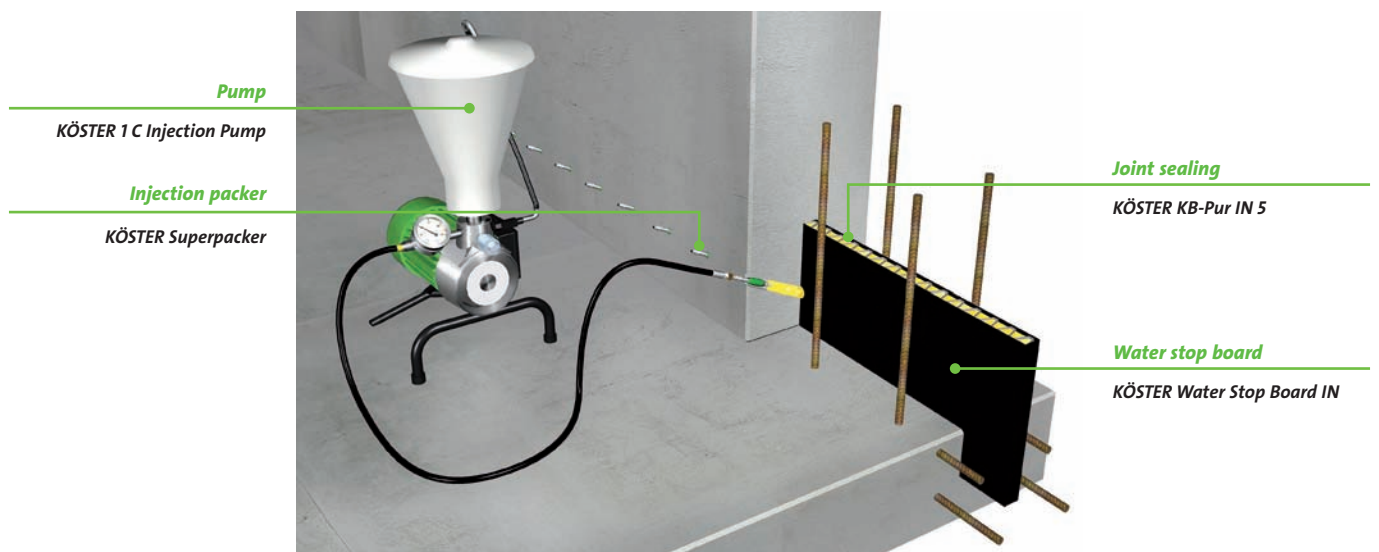
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Construction joints, especially in the wall floor junction, when installed underneath ground level always need particular attention when it comes to waterproofing. Defects in this area are not uncommon. Before pouring the concrete for the rising wall, the injection hose is installed in the construction joint. Injection hoses are perforated or slotted. After the concrete has cured an elastically curing resin is pressure injected into the injection hose. The joint is now permanently elastically sealed and waterproofed.

For the application via injection hose KÖSTER KB-Pur IN 5 is the product of choice. It has a low viscosity and a long pot life. These two aspects are very important for the application so the product has enough time to enter the small and fine voids and doesn't start to react during the injection.

Always adhere to the specifications in the respective Technical Guidelines.

Waterproofing construction joints with a water stop board



A new system to waterproof wall-floor junctions in concrete buildings: The injectable KÖSTER Water Stop Board IN.

Wall-floor junctions in concrete buildings under grade are always vulnerable to leakages. Up to now to solve this problem, water stop ribbons in combination with injection hoses are installed. The KÖSTER Water Stop Board IN is a combination of those two systems.

The KÖSTER Water Stop Board IN is coated with a self adhesive sealing compound from the outside which provides a permanent and waterproof bonding to the freshly installed concrete. An open honeycomb struc-

ture is located in the inside of the board. In case of leakages this is used as the injection area. Compared to an injection hose the KÖSTER Water Stop Board IN doesn't need a connection access. In event of leakages holes can be drilled through the concrete, thereby punctual injection is possible without a major effort. Subsequent cracks, existing holes and other defects can be waterproofed easily and without difficulty via injection into the KÖSTER Water Stop Board IN. Improper installation is practically impossible.

Always adhere to the specifications in the respective Technical Guidelines.

5 Concrete protection and repair



Damages to construction members made of concrete require treatment in order to restore the original characteristics. Exposed steel reinforcement must be protected from corrosion. The original structure is restored using mineral products.

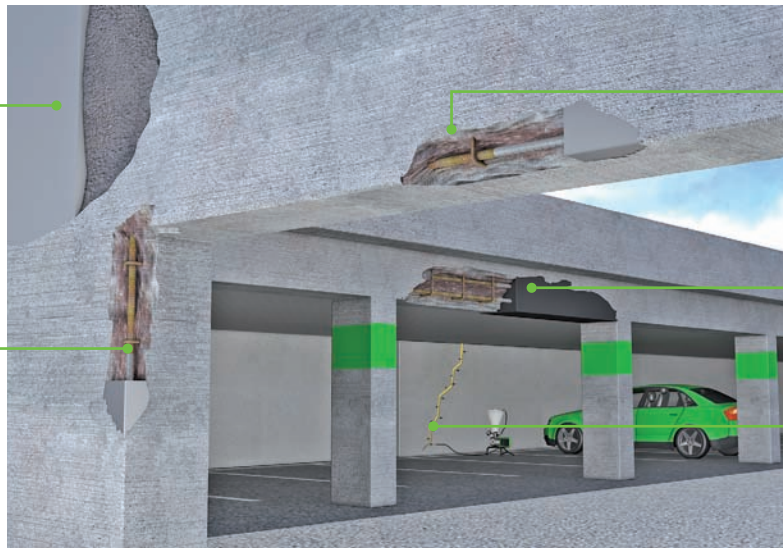
Concrete repair

Surface levelling and smoothing

KÖSTER C-Coat

Concrete repair

KÖSTER Betomor Multi A



Concrete repair
(overhead work)

KÖSTER Betomor Light 88

Concrete repair (large Areas)

KÖSTER Repair Mortar NC
+ KÖSTER Z1/Z2

Repair of structural cracks

KÖSTER KB-Pur IN 3

In case of small concrete repairs and maintenance a fast and easy solution is to apply the multi-talent KÖSTER Betomor Multi A. KÖSTER Betomor Multi A is a material for corrosion protection and concrete replacement. An additional corrosion protection is not required. KÖSTER Betomor Multi A replaces the bonding agent, the repair mortar and the spackle. The material is applied onto the prepared, stable substrate which must also be free of separating agents and rust.

For application overhead KÖSTER Betomor Light 88 is ideally suitable.

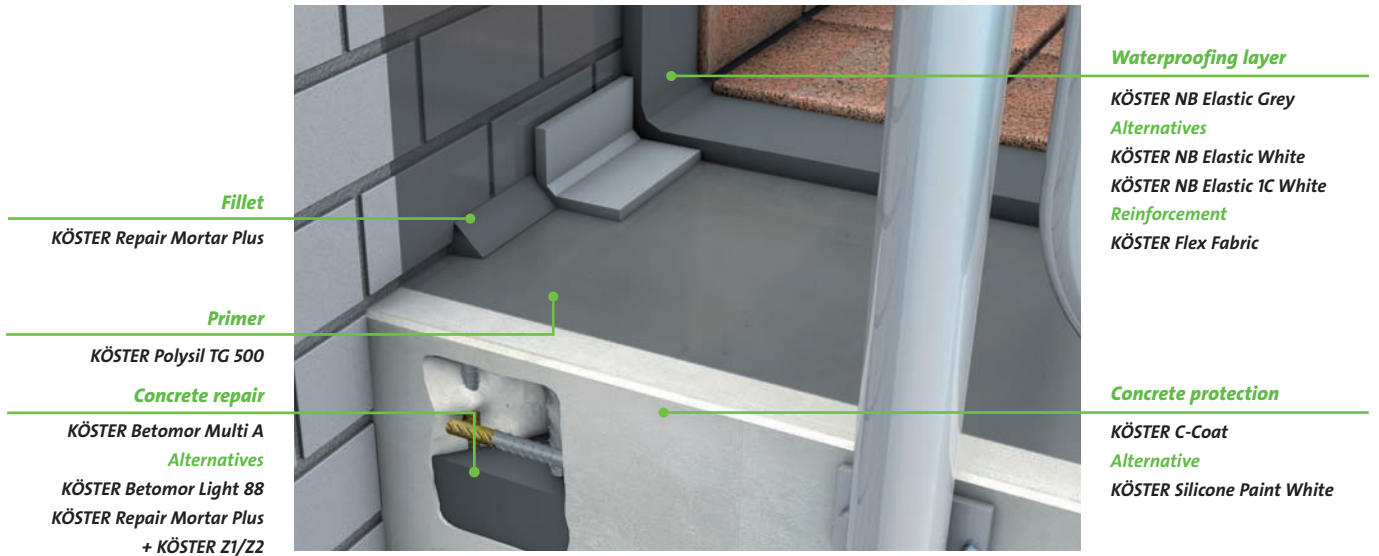
Repair and maintenance of concrete surfaces is done with KÖSTER C-Coat. KÖSTER C-Coat is a high quality spackle for levelling and smoothing concrete surfaces.

For reprofiling and concrete replacement in larger areas, KÖSTER Repair Mortar NC is applied. It is suitable for trowel application and can be spray applied as well. The mortar is applied onto the prepared, stable substrate which must also be free of bond inhibiting agents. Reinforcement steel has to be cleaned, as corrosion protection and bonding agent KÖSTER Z1/Z2 is applied.

Non water bearing cracks are sealed with KÖSTER KB-Pur IN 3. This injection resin has excellent bonding characteristics to concrete crack flanks and is used for the structural bonding of building elements.

Always adhere to the specifications in the respective Technical Guidelines.

Repair of concrete balconies and terraces



Maintenance of concrete, e.g. repair of balconies and terraces normally requires corrosion protection for the reinforcement steel, a bonding agent, repair mortar and a spackle.

KÖSTER Betomor Multi A fulfils all of these requirements in one product. The advantage is that only one product is needed for the renovation. This provides an easier calculation of the required amount and logistics. Concrete repair of building elements can be quickly and easily done with KÖSTER Betomor Multi A, for overhead application KÖSTER Betomor Light 88 is ideal due to its density of 0.88 g/cm³.

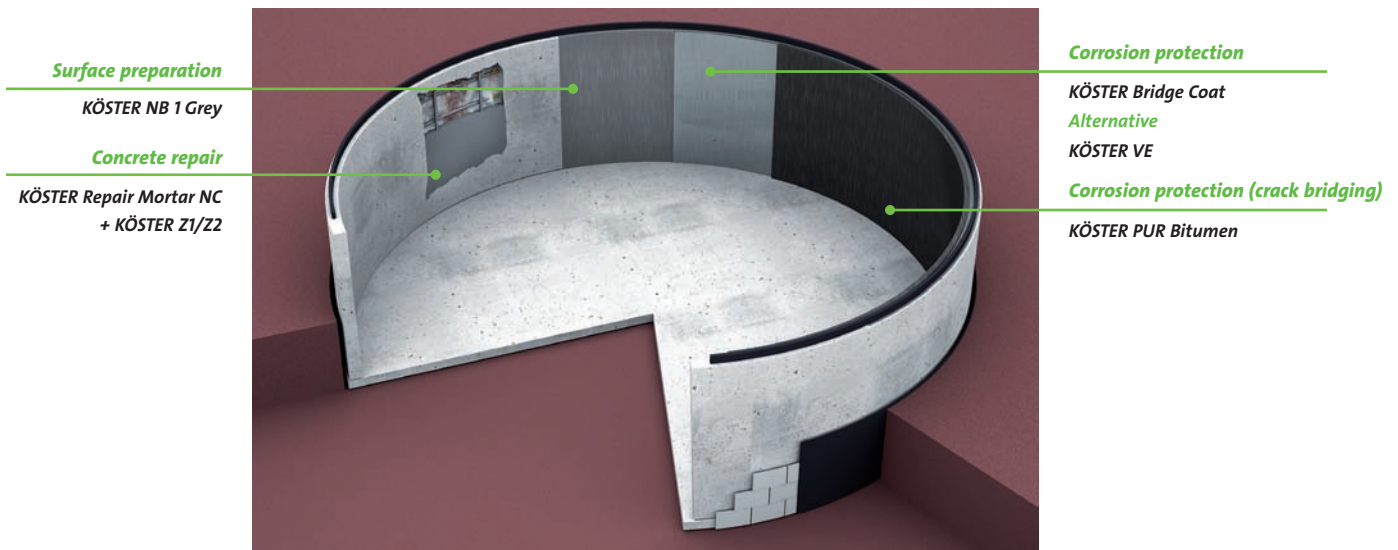
Maintenance of concrete surfaces is done with KÖSTER C-Coat. KÖSTER C-Coat is a high quality

spackle for levelling and smoothing of concrete surfaces. KÖSTER Silicon Paint White is an optimal decorative paint coating for concrete surfaces.

The elastic and crack bridging waterproofing material KÖSTER NB Elastic (Grey or White) is applied as the waterproofing layer on balconies and terraces. The material is resistant to foot traffic or can be covered with tiles. In the wall/floor junction and in areas in danger of cracking KÖSTER Flex Fabric is embedded between the two waterproofing layers. Fillets are made with KÖSTER Repair Mortar Plus.

Always adhere to the specifications in the respective Technical Guidelines.

Corrosion protection on concrete



Corrosion protection on concrete is usually done with a system of KÖSTER Bridge Coat and KÖSTER PUR-Bitumen, applied by brush or roller. The system is crack bridging.

Alternatives:

In case of minor acid impact, if no crack bridging is required, the coating can alternatively be carried out only with two layers of KÖSTER Bridge Coat.

In the case of extraordinarily high acid impact (e. g. when below the acid dew point) the entire coating is to be carried out with two layers of KÖSTER VE. In addition KÖSTER VE is suitable for the covering of edges, holes and screws prior to the application of KÖSTER Bridge Coat.

The surface is prepared by sand-blasting, grinding or shot-blasting until a solid and stable substrate for the subsequent coating is ensured.

For reprofiling and concrete replacement KÖSTER Repair Mortar NC is applied. It is suitable for trowel application or can be spray applied. The mortar is applied onto the prepared, stable substrate which must also be free of bond inhibiting agents. Reinforcement steel has to be cleaned, as corrosion protection and bonding agent KÖSTER Z1/Z2 is applied.

Rough and highly absorbent substrates are prepared with KÖSTER NB 1 "fast".

Always adhere to the specifications in the respective Technical Guidelines.

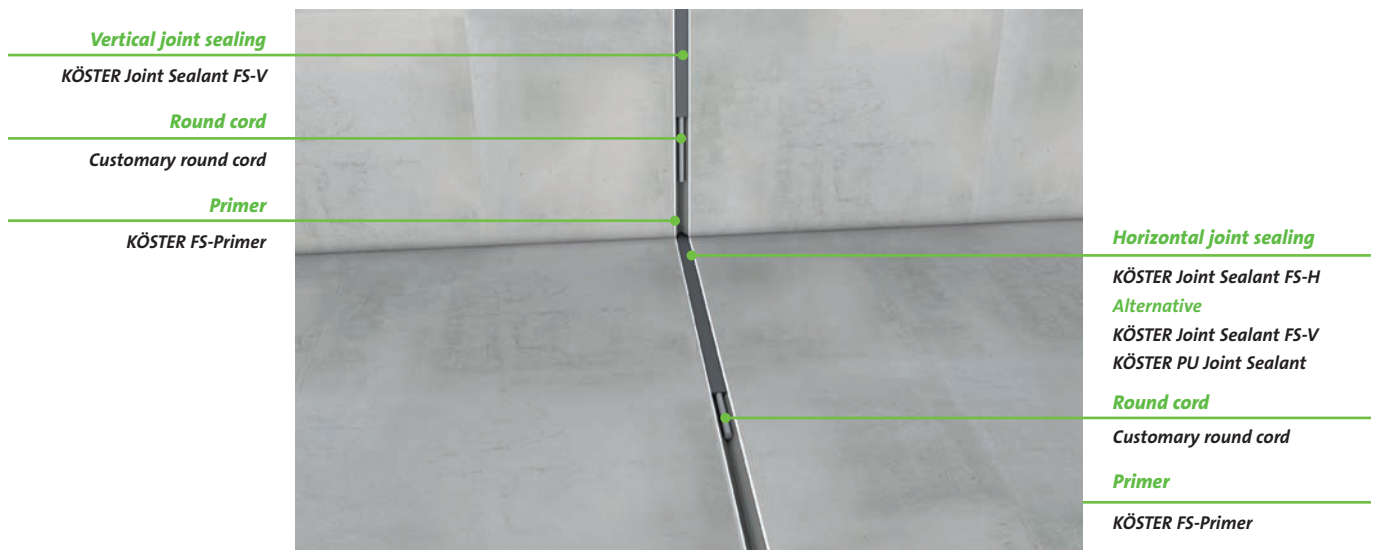
Because corrosion protection on concrete requires experience and should be analyzed case by case, please contact our technical consultants. They will be glad to answer your questions.

6 Joint sealing



Joints in construction members are necessary to accommodate movements in these construction members. Sealing joints in construction members safely means to seal them permanently elastic, form stable and UV-resistant. This allows for future movements of the construction member without causing damages.

Joint sealing on mineral and metal surfaces



Construction joints are exposed to movements caused by thermal or other stresses. To waterproof construction joints permanently an elastic material is required. KÖSTER Joint Sealant FS is a proven joint sealant; it is resistant to mechanical stresses, UV radiation and aging. KÖSTER Joint Sealant FS is also resistant to aggressive chemicals.

Important for permanently waterproofing construction joints is not only to apply a durable material, it also needs to permanently adhere to the joint flanks. The substrate must be stable, clean and dry as well as free of bond inhibiting substances. The substrate is primed with KÖSTER FS Primer.

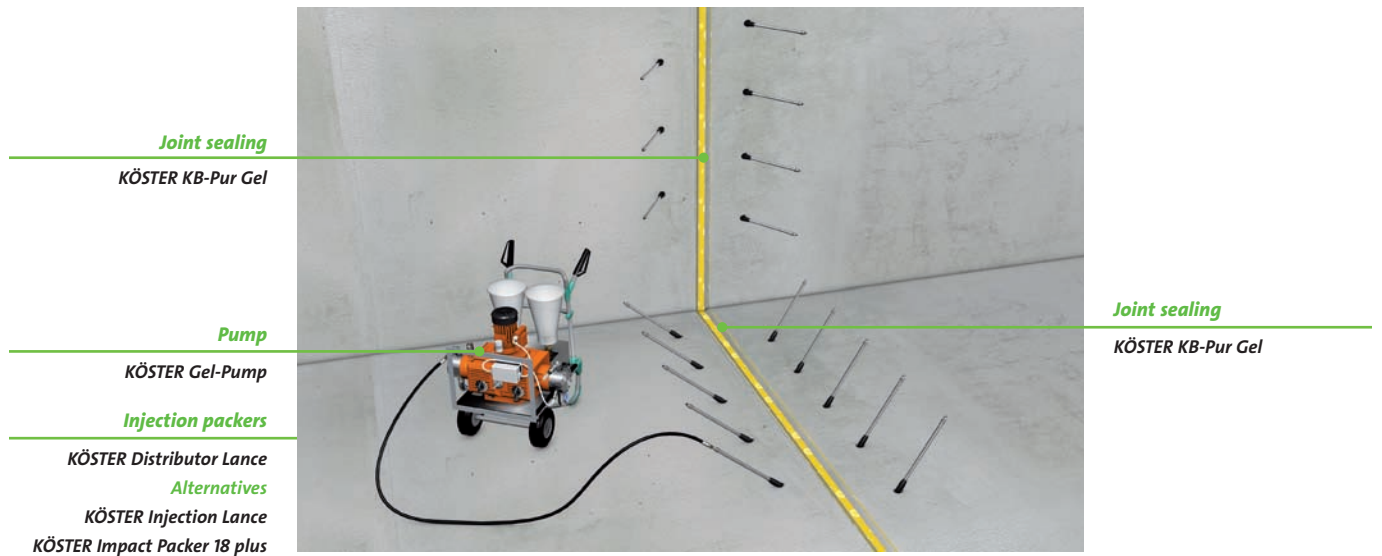
The optimal absorption of the tension is guaranteed when the KÖSTER Joint Sealant FS is installed only

connected to two opposing joint flanks. It allows the material to expand across the construction joint. To separate the joint sealing from the bottom a customary PE-round cord is installed into the joint before applying the material. To avoid damage caused by tension stresses the joint sealant is applied in thicknesses depending on the measurements of the joint. The proportion of the applied sealant should be 1:1 to 1:2 (height to width of the joint).

For application in agricultural concrete construction KÖSTER PU-Joint Sealant is used.

Always adhere to the specifications in the respective Technical Guidelines.

Joint sealing by pressure injection into dry, damp and water bearing joints



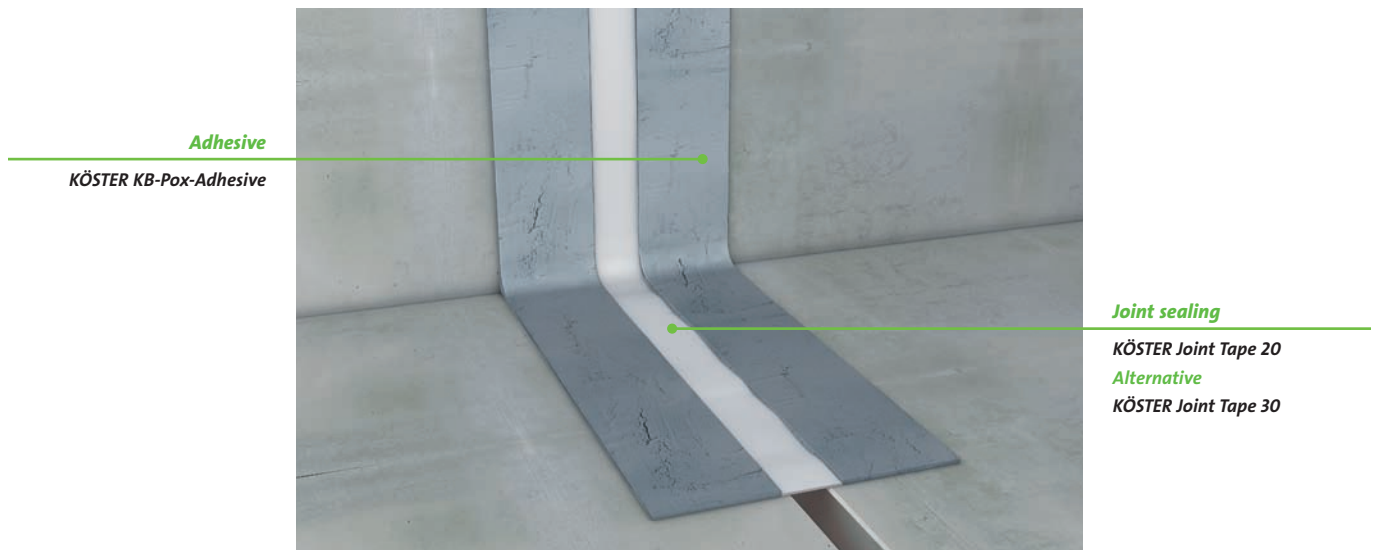
Waterproofing joints which are exposed to water, active leakage or even pressurized water is a challenge because common joint sealing materials don't bond to wet substrates.

KÖSTER KB-Pur Gel is applied by pressure injection into the joint, old joint sealants generally don't have to be removed. KÖSTER KB-Pur Gel reacts with water and creates an elastic waterproofing material. Even flowing water can be stopped with this method.

Always adhere to the specifications in the respective Technical Guidelines.

Because the subsequent sealing and waterproofing of construction joints requires experience and should be analyzed case by case, please contact our technical consultants. They will be glad to answer your questions.

Joint sealing of dilatation joints and other moving joints



Construction joints wider than 35 mm are waterproofed with KÖSTER Joint Tape 20 (20 cm width) or with KÖSTER Joint Tape 30 (30 cm width).

KÖSTER KB-Pox Adhesive is applied onto the stable and prepared substrate. KÖSTER Joint Tape is bonded to both flanks of the joint with the first layer of adhesive. After that the joint tape is embedded into

a second coat of KÖSTER KB-Pox Adhesive. KÖSTER KB-Pox Adhesive has excellent adhesion to concrete and to the KÖSTER joint tape. KÖSTER joint tapes are elastic and tear-resistant.

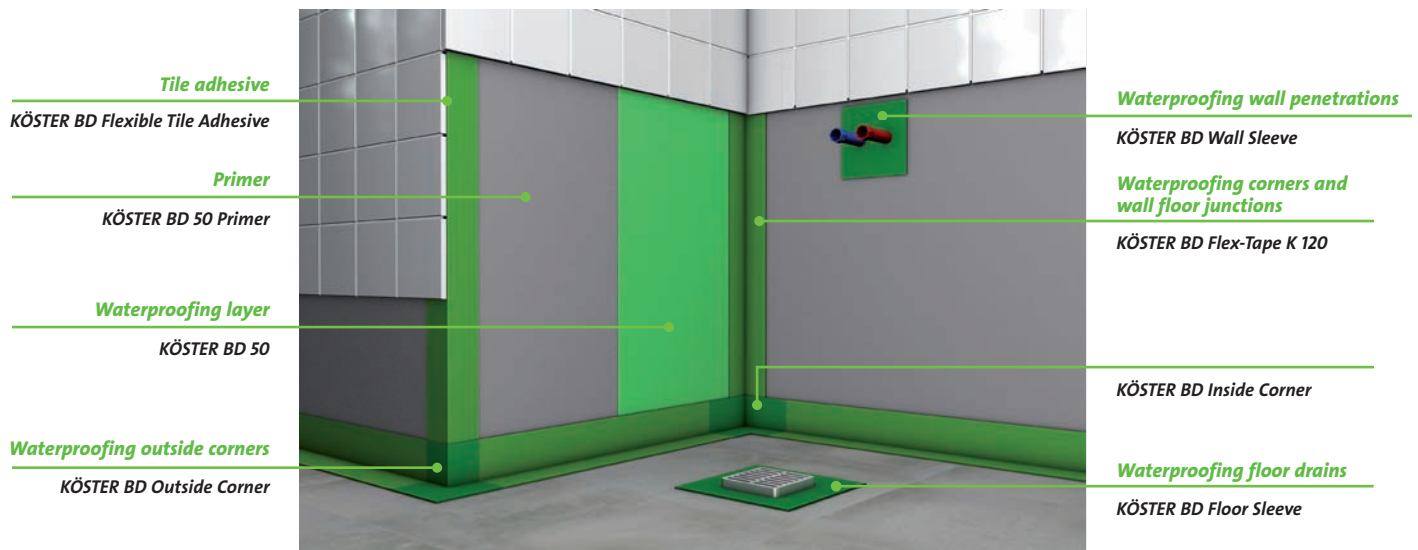
Always adhere to the specifications in the respective Technical Guidelines.

7 Wet room waterproofing



In these sensitive parts of the building moisture can lead to severe damage to the entire building. Discoloration and tiles which are falling off the substrate are the first visible signs of such damages. Such rooms are waterproofed completely, in order to protect the entire building. The entire wall and floor area is seamlessly waterproofed. The waterproofing layer must be able to bridge possible cracks.

Wet room waterproofing with liquid synthetics



Only a few building elements are so constantly exposed to water as kitchens and bathrooms. In these cases a professional and crack bridging waterproofing material is required. Furthermore it must be stable enough so that tiles can be applied on top of it.

The KÖSTER BD-System is a complete system for waterproofing underneath tiles according to ETAG 022. The dry and stable substrate is primed with KÖSTER BD 50 Primer. As a waterproofing layer KÖSTER BD 50 is applied. In corners and connec-

tion areas the pre-formed waterproofing elements KÖSTER BD Inside Corner, KÖSTER BD Outside Corner, KÖSTER BD Wall Sleeve and the KÖSTER BD Floor Sleeve are embedded into the waterproofing layer. At wall/floor junctions and joints KÖSTER BD Flex Tape K 120 is embedded. In areas where a reinforcement is embedded, movements won't cause damage to the waterproofing material.

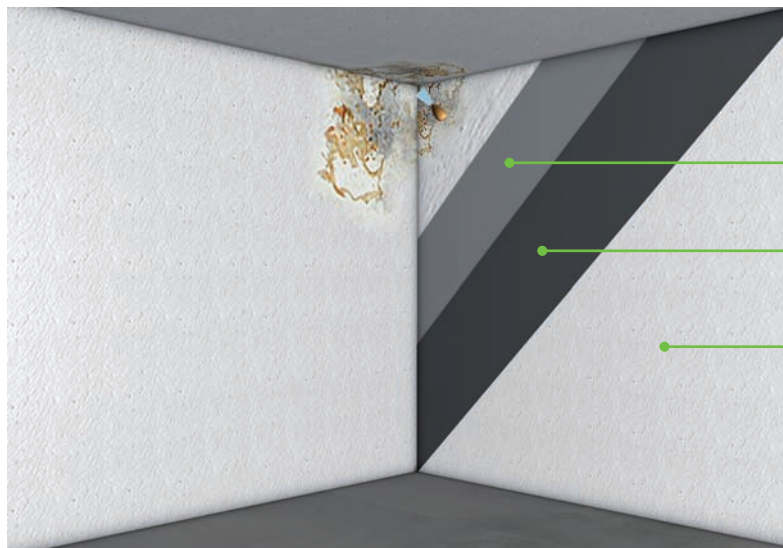
Always adhere to the specifications in the respective Technical Guidelines.

8 Mold control



Mold in living areas caused by moisture penetration and thermal bridges results in extensive health damage because the mold releases its spores into the air which is then inhaled by the inhabitants. A special Anti Mold System – which functions on a purely physical basis and which is free of fungicidal toxins provides a permanent protection because mold can not grow on this coating.

Mold control for inside areas



Primer

KÖSTER AMS Liquid Film

Plaster

KÖSTER AMS Special Plaster

Paint

KÖSTER Silicone Paint White

Insufficient ventilation, reduced heating, defective insulation and moisture are just some causes for the development of mold inside buildings. The results are fungal spores which are dangerous and unhealthy.

Mold in living spaces should not be treated with toxins or other noxious chemicals.

The KÖSTER Anti Mold System is based on physical functionality. The KÖSTER AMS Liquid Film is a vapor barring material which stops moisture leakage from the wall or substrate. KÖSTER AMS Special Plaster has a large pore capacity to absorb short term moisture. The plaster is very porous and therefore has a large surface area. This promotes evaporation and inhibits

water condensing on the building surface. With this method the surface is almost always dry, mold and the basis for mold growth is removed.

Before applying KÖSTER AMS Liquid Film the substrate has to be dry and the mold has to be removed. One hour after the application of the liquid film the KÖSTER AMS Special Plaster can be applied in a layer thickness of approximately 2.5 mm. When the surfaces will be painted a material open to vapor diffusion should be applied. KÖSTER Silicon Paint White and KÖSTER MF 1 are suitable products.

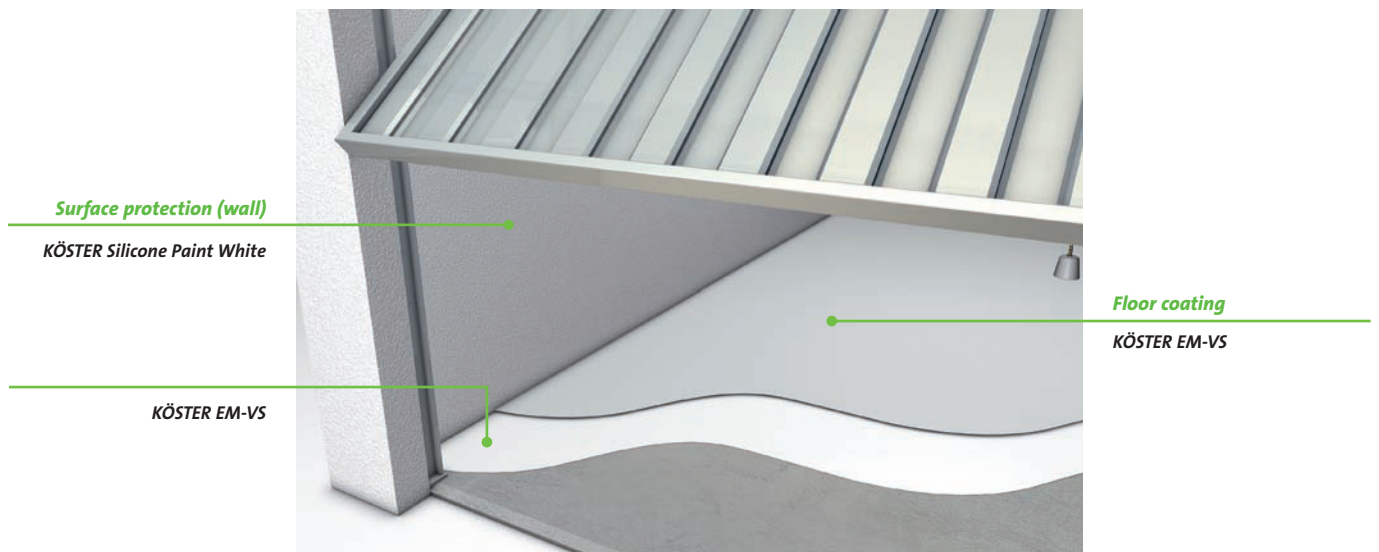
Always adhere to the specifications in the respective Technical Guidelines.

9 Floor coatings



Floor coatings, for example on garages, industrial floors or canteen kitchens is not only important for their visual appearance. These floors can be permanently protected against mechanical damage and the penetration of liquids with colored protective coatings.

Floor coatings which are exposed to moderate stresses

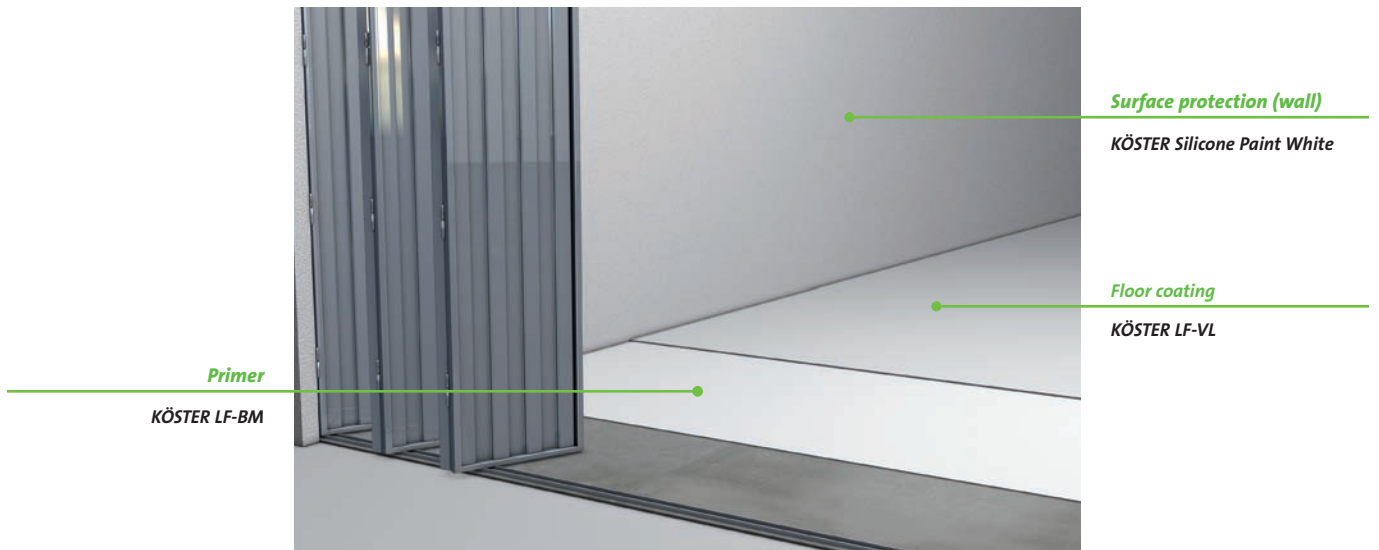


Concrete floors exposed to moderate stresses are ideally and easily coated with the decorative floor sealant KÖSTER EM-VS. The coating is applied in two layers onto the prepared and cleaned concrete surface.

The surface protection of walls is easily done with KÖSTER Silicone Paint White.

Always adhere to the specifications in the respective Technical Guidelines.

Floor coatings which are exposed to heavy mechanical stresses

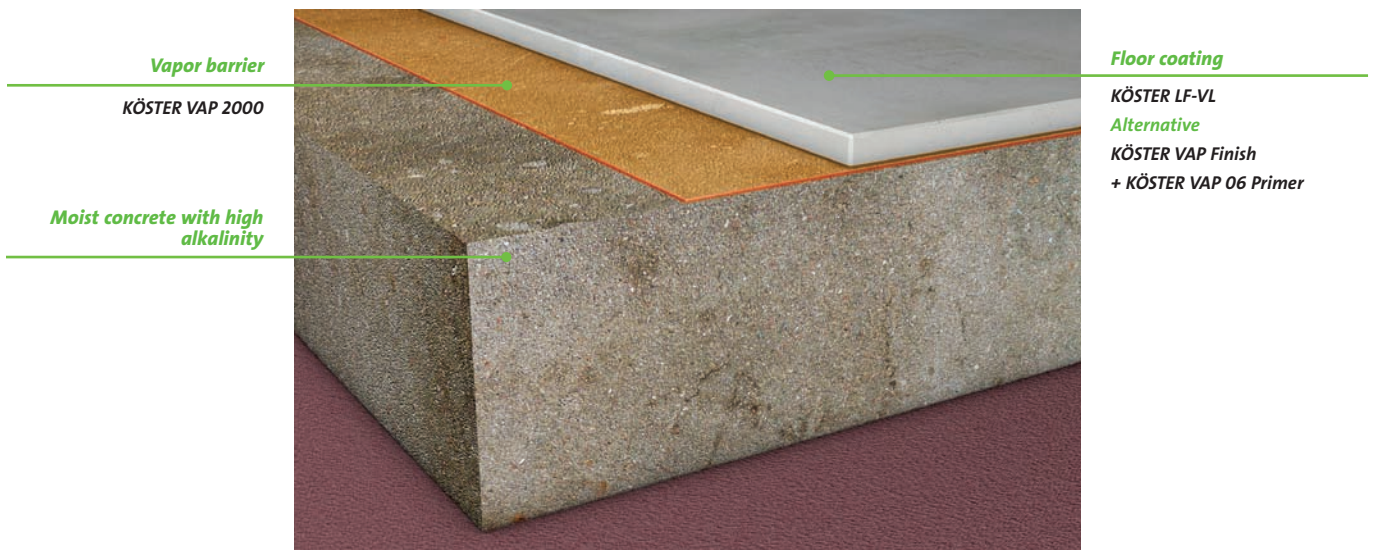


Concrete floors which are exposed to heavy stresses are coated with KÖSTER LF-VL. KÖSTER LF-VL is applied to the prepared, dry, sound and solid substrate free of loose particles and bond inhibiting substances. By mixing KÖSTER LF-VL with quartz sand the coating achieves a high mechanical strength.

The surface protection of walls is easily done with KÖSTER Silicone Paint White.

Always adhere to the specifications in the respective Technical Guidelines.

Moisture Mitigation System



Moisture penetration through concrete slabs can cause severe problems for subsequent flooring systems. High concentrations of moisture and alkalinity (levels determined through testing) can lead to the

deterioration of flooring adhesives and delamination of coatings by osmotic action. Even with relatively low moisture emissions (MVER), elevated alkalinity can compromise even the toughest flooring system adhe-

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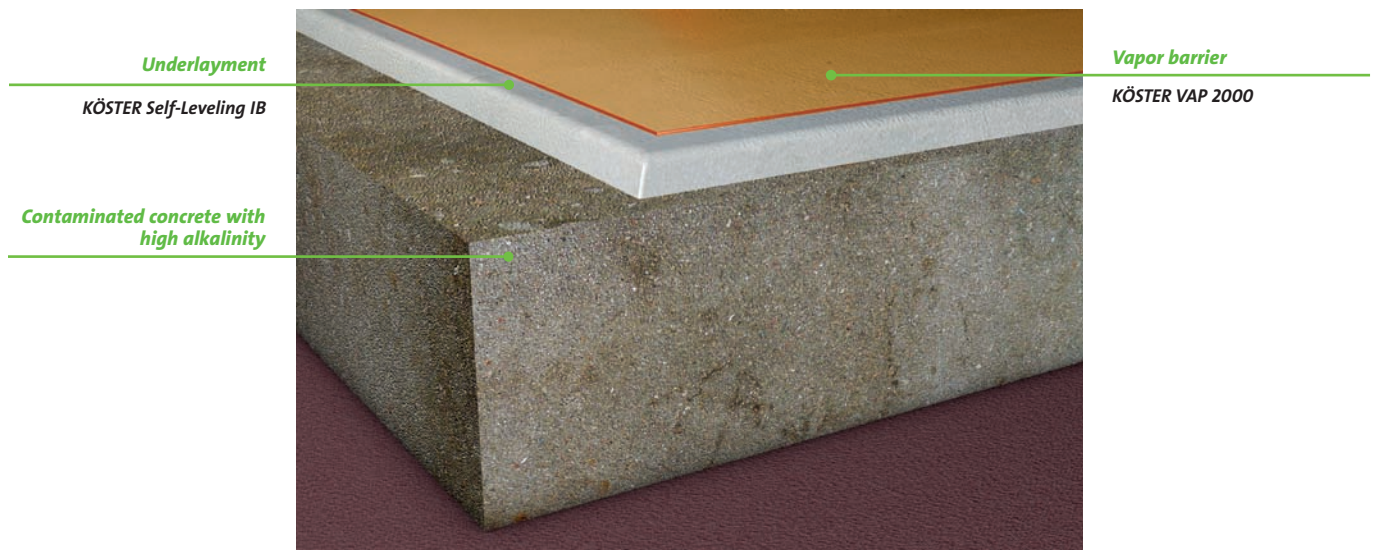
sives. To avoid this problem the concrete slab should be primed with a material that will tightly bond to the concrete under these very adverse conditions.

KÖSTER VAP® 2000 is a special material which fulfils all of these functions; it has very low permeance (ASTM E96 wet: .04-.09), excellent bonding characteristics and is resistant to sustained high alkalinity (pH of 14). The KÖSTER VAP® 2000 vapor reduction system is applied

to shot blasted, solid concrete substrates that are free of bond inhibiting substances. After curing, a covering layer (i.e. KÖSTER LF-VL) or any other type of final flooring may be applied. If an underlayment is required use KÖSTER VAP® Finish together with KÖSTER VAP® 06 Primer on top of the moisture mitigation system.

Always adhere to the specifications in the respective Technical Guidelines.

Moisture Mitigation System with isolation barrier



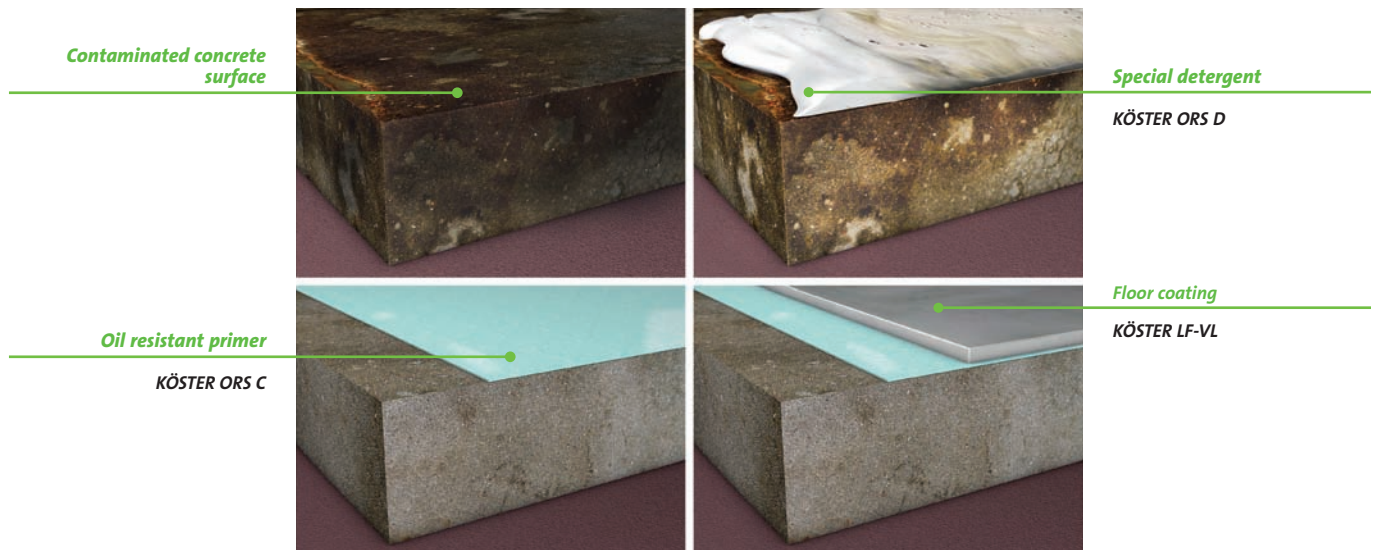
KÖSTER VAP 2000 protects flooring systems against moisture and high alkalinity. For more than 16 years, this system has been successfully installed under all types of flooring to guard against osmotic blisters and other deleterious effects caused by moisture and/or high alkalinity.

Concrete floors which contain water soluble, unreacted sodium and/or potassium silicates usually can not be coated when certain thresholds of these compounds are exceeded. These unreacted silicates may come from a number of sources such as a floor hardeners, concrete polishing, integral additives, and some vapor reduction systems and may act as a bond breaker to any subsequently applied flooring system. In these cases the KÖSTER Self Leveling IB (Isolation Barrier) is applied to the concrete first in order to create an isolation barrier between substrate and the moisture mitigation system. The KÖSTER Self Leveling IB has self leveling properties which make it easy to apply. KÖSTER VAP 2000 is then applied on top of the cured isolation barrier. The special chemistry of the KÖSTER Self Leveling IB provides a permanent barrier against elevated levels of alkaline salts and concrete background moisture.

The prepared concrete substrate is edged using hand grinders with dust collection capabilities, the main floor is shot blasted to a "medium shot blast (CSP 4)" to remove all loose dust, old coatings, patch material, debris and any other deleterious or bond inhibiting substances. The floor is then cleaned of all fugitive shot and all residual dust is vacuumed up. The KÖSTER Self Leveling IB is applied to the concrete substrate at a spread rate determined by the moisture drive and level of contaminants identified in the substrate. After a 24 hour cure time the KÖSTER Self Leveling IB is then "brush blasted" to a "light shot blast (CSP 2)". After residual shot and dust clean up, the KÖSTER VAP 2000 may be applied at the previously established spread rate as determined by moisture testing. Concrete floors which were formerly not suitable to receive a moisture mitigation system can now be coated and made fully accessible for any type of subsequent flooring system.

Always adhere to the specifications in the respective Technical Guidelines.

Oil remediation system



KÖSTER ORS is an oil-remediation and containment treatment process to rehabilitate and rescue oil or hydrocarbon contaminated concrete surfaces making them suitable to receive any type of flooring system. The KÖSTER Oil Remediation System (ORS) consists of two components:

- 1) A cleaning system using a special detergent, KÖSTER ORS-D;
- 2) An oil resistant primer coating, KÖSTER ORS-C, with a sand broadcast.

The KÖSTER ORS-D has the ability to penetrate deeply into the concrete surface to extract oil and hydrocarbon based compounds leaving a clean surface for the ORS-C coating. Both products combine to provide a dry, uncontaminated surface which is fit to receive flooring/coating systems.

Always adhere to the specifications in the respective Technical Guidelines.

10 Façade protection



Climatic influences and the resulting penetration of moisture into the substrate often lead to damages to the façade. In order to protect facades made of mineral building materials, impregnations are used which make the surface water repellent. These hydrophobing agents penetrate deeply into the substrate and dry without leaving residues so that the visual appearance of the façade is not affected by the impregnation.

Protecting façades made of mineral building materials



Surface protection

KÖSTER Façade Cream
Alternative
KÖSTER Siloxan

KÖSTER façade protection systems prevent masonry and concrete from liquid water ingress (rain or splash water, condensate) but at the same time water vapor is still able to escape from the façade. That way long term moisture damage can be avoided.

KÖSTER Façade Cream is a solvent-free pasty hydrophobization material. It is applied as a film using a roller or brush and penetrates deep into mineral substrates.

KÖSTER Siloxan in contrast is a liquid and can therefore be sprayed onto the façade or alternatively brush applied.

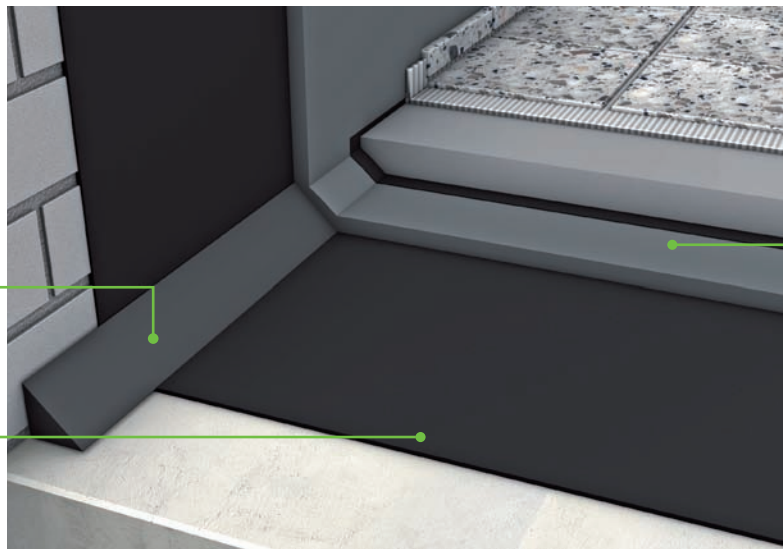
Always adhere to the specifications in the respective Technical Guidelines.

11 Waterproofing balconies and terraces



This field poses the highest demands on waterproofing. It must be able to resist the weather, be waterproof and provide a certain structural stability. Also, outside the movements of the construction members are usually comparably large so that it is necessary to use waterproofing systems with high crack bridging capabilities.

Waterproofing balconies and terraces with liquid applied bitumen based waterproofing systems



Fillet

KÖSTER Repair Mortar Plus

Primer

KÖSTER Polysil TG 500

Waterproofing layer

KÖSTER KBE-Liquid Film

Alternative

KÖSTER Deuxan 2C

Reinforcement

KÖSTER Glass Fiber Mesh

Balconies and terraces are constantly exposed to rain, splash water and high temperature fluctuations. Therefore the waterproofing should always be crack bridging.

When working with liquid applied bituminous waterproofing the prepared and clean substrate is primed with KÖSTER Polysil TG 500. A rounded fillet made from KÖSTER Repair Mortar Plus is installed in wall-floor-junctions in order to protect the subsequent layers from damage caused by movement.

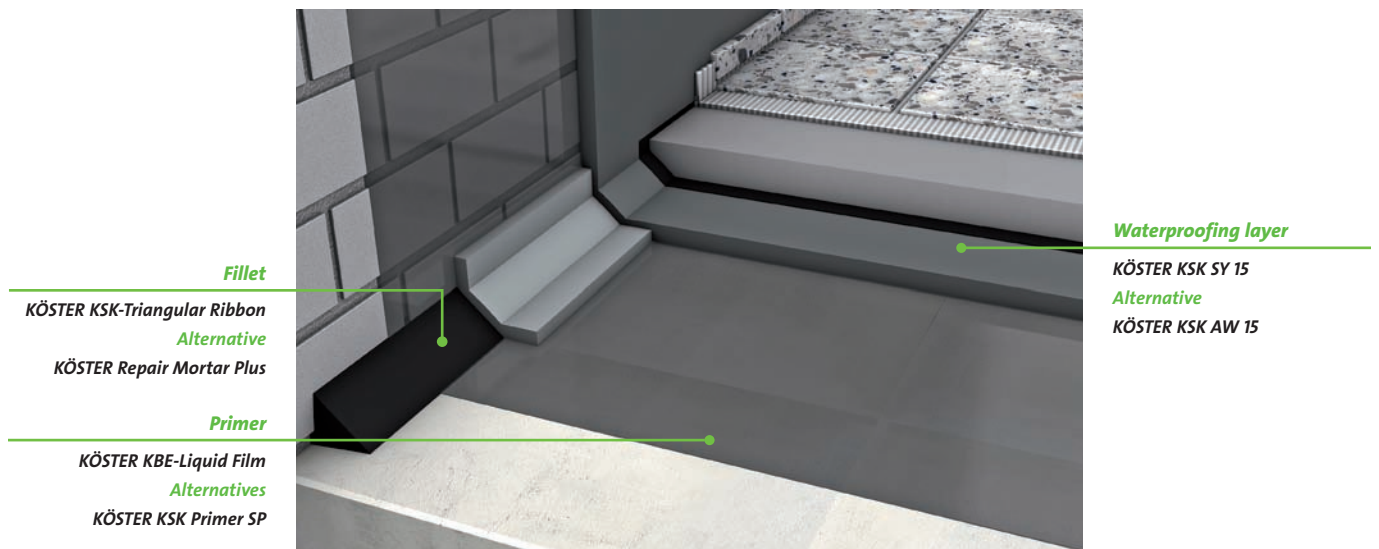
The waterproofing is carried out with a liquid applied coating in two layers. Ideally suitable is KÖSTER KBE

Liquid Film. Alternatively the rubberized bitumen thick film sealant KÖSTER Deuxan 2C (4 – 6 mm) can be applied. In the wall-floor-junction and areas in danger of cracking KÖSTER Glass Fiber Mesh is embedded into the fresh first waterproofing layer.

A screed protects the waterproofing against mechanical damage. A gliding layer consisting of 2 layers of PE-foil is installed under the screed.

Always adhere to the specifications in the respective Technical Guidelines.

Waterproofing balconies and terraces with cold applied self adhesive membranes



A fast and easy method for waterproofing balconies and terraces is using the cold applied self adhesive KÖSTER KSK waterproofing membranes.

The solid and clean concrete substrate is primed with KÖSTER KBE Liquid Film which provides an excellent bond between the concrete and waterproofing layer. In case of temperatures below 0 °C the non water based KÖSTER KSK Primer SP is used.

A fillet in the wall-floor-junction can be easily installed by using the KÖSTER KSK Triangular Ribbon: Remove the protective foil, press into the primed corner, done! Alternatively, before priming the substrate a fillet made of KÖSTER Repair Mortar Plus is applied.

The standard area waterproofing is done with KÖSTER KSK SY 15. In case of temperatures below

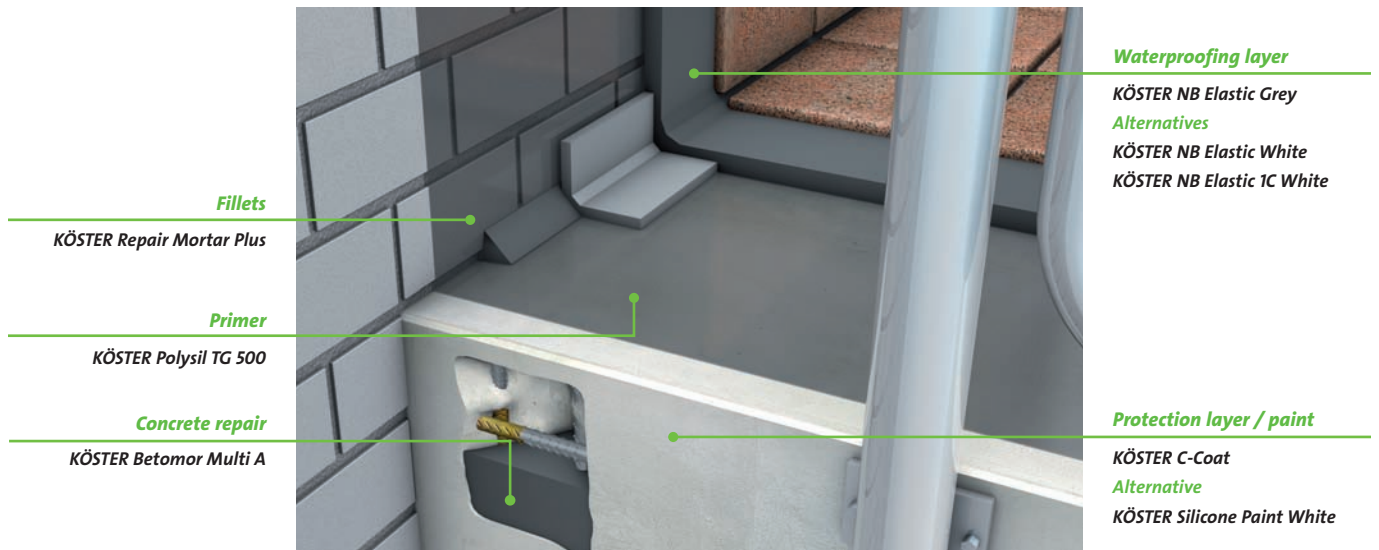
0 °C KÖSTER KSK AW 15 is the material of choice. The waterproofing membranes are simply bonded onto the prepared substrate and overlapped min. 10 cm on each side.

If the waterproofing is applied vertically onto a wall, the waterproofing membrane is mechanically fixed. Connections and overlaps are sealed with KÖSTER BS 1 Bitumen Paste. If the top end of the waterproofing is to be plastered, it can be covered with KÖSTER Butyl Fix-Tape Fleece.

A screed protects the waterproofing against mechanical damage. A gliding layer consisting of 2 layers of PE-foil is installed under the screed.

Always adhere to the specifications in the respective Technical Guidelines.

Waterproofing balconies and terraces with mineral based waterproofing systems



The mineral waterproofing of balconies and terraces is carried out with crack bridging KÖSTER NB Elastic (white or grey). This waterproofing is resistant to foot traffic and can be covered with tiles. It also bonds to damp substrates.

Before installing the waterproofing the substrate is hardened and prepared with the primer KÖSTER Polysil TG 500. Fillets are installed with KÖSTER Repair Mortar Plus. In the wall floor junction and all areas in danger of cracking KÖSTER Glass Fiber Mesh is embedded into the fresh first waterproofing layer.

Concrete repair work is done with KÖSTER Betomor Multi A. The concrete surface must be mechanically cleaned and a solid substrate achieved. Reinforcement steel has to be thoroughly cleaned from rust by sandblasting. In case of severe damage the reinforcement has to be strengthened.

Minor damages in the concrete surface can be levelled with KÖSTER C-Coat, and painting done with KÖSTER Silicone Paint White.

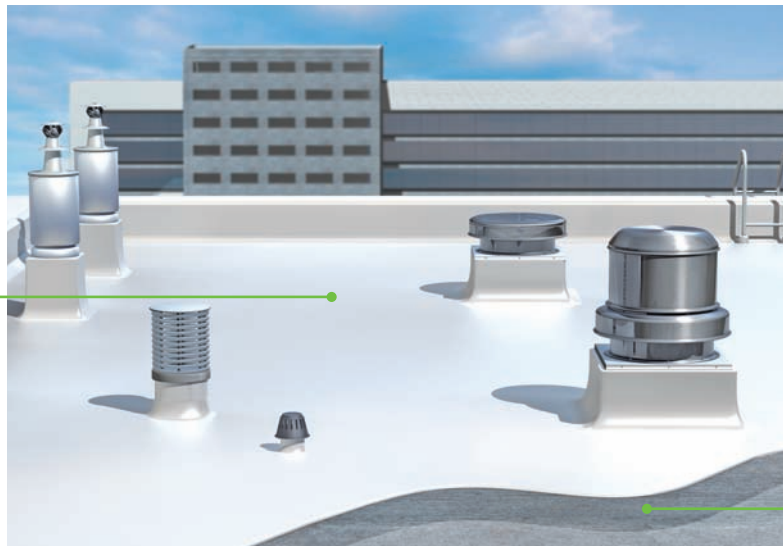
Always adhere to the specifications in the respective Technical Guidelines.

12 Roof waterproofing



Due to their position, roofs are exposed to considerable temperature and weather related stresses. The formation of cracks due to tension in the waterproofing layer can be the consequence. Safe retroactive waterproofing is required. It is vital to apply products which are characterized by great elasticity and high UV-resistance.

Liquid applied roof waterproofing



Waterproofing layer

KÖSTER Elastic Roof

Primer

KÖSTER Polysil TG 500

Concrete roofs are often difficult to waterproof with membranes due to numerous penetrations and complex geometry. KÖSTER Elastic Roof is a liquid applied elastic waterproofing for roofs. It is UV-resistant, white and crack bridging. The product does not contain solvents and allows an easy, seamless application.

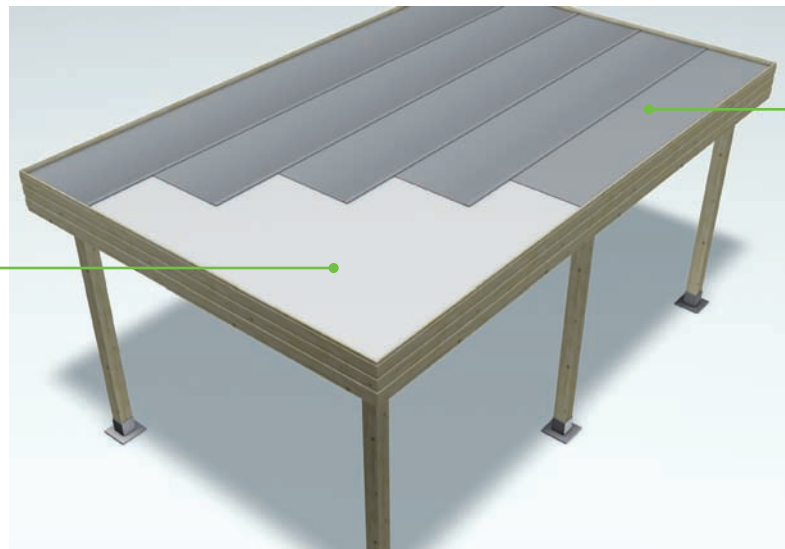
KÖSTER Elastic Roof is directly applied onto the prepared concrete substrate by roller or spraying. It has

very good adhesion to itself (important for overlapping and easy repair) and even damp substrates.

Absorbent substrates are primed with KÖSTER Polysil TG 500.

Always adhere to the specifications in the respective Technical Guidelines.

Roof waterproofing with cold self-adhesive sealing membranes



Primer

KÖSTER KBE Liquid Film
Alternative
KÖSTER KSK Primer SP

Waterproofing layer

KÖSTER KSK ALU Strong

Smaller roofs on non residential buildings can quickly and easily be waterproofed with the cold self-adhesive sealing membrane KÖSTER KSK Alu Strong. The clean and dry substrate is primed with KÖSTER KBE Liquid Film.

KÖSTER KSK Alu is applied onto the dry and primed roof area. Membranes have to overlap a min. of 10 cm on each side. Connections, penetrations and overlaps are sealed with KÖSTER KBE Liquid Film.

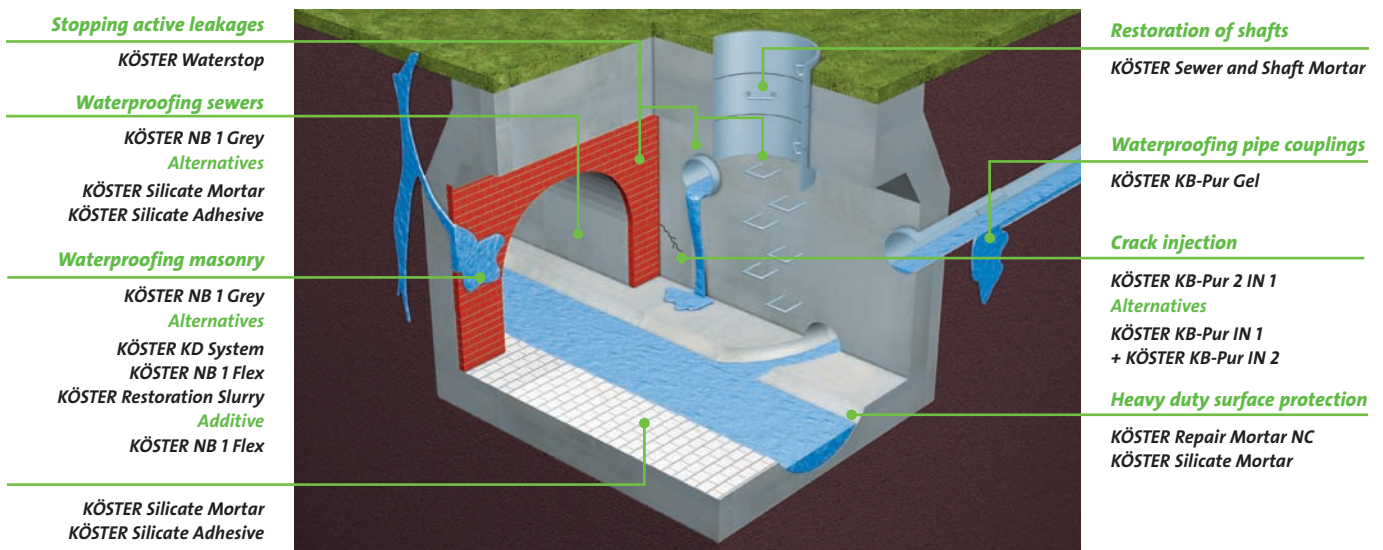
Always adhere to the specifications in the respective Technical Guidelines.

13 Waterproofing tanks and pipes



Leaking sewage pipes in wastewater treatment plants lead to considerable damage which is often discovered very late. When restoring such damage it is important to mitigate the different types of damages with waterproofing systems which are specifically adapted to the need. The damage analysis reveals if locally limited waterproofing of the leakage is sufficient or if the entire area has to be protected from chemical attack.

Waterproofing tanks and pipes in sewage systems



Water treatment facilities like sewage treatment plants, sewers and shafts or sewage water tanks made from concrete or masonry are exposed to a variety of stresses. The restoration of such facilities entails waterproofing, concrete repair and concrete protection as well as protection against acids and abrasion. For this a wide range of materials are used.

KÖSTER Waterstop can be used to quickly waterproof small active leakages. The fast setting plug mortar swells slightly and closes the leakage instantly.

Areas with insufficient air circulation like sewer systems develop high concentrations of sulphur dioxide which leads to the creation of sulphuric acid on the surface of the construction members. Sulphuric acid is very aggressive, especially against concrete. KÖSTER NB 1 Grey can be used for waterproofing on the positive and the negative side. KÖSTER Silicate Mortar is used for protection against acids. As an alternative, acid resistant tiles can be used which are bonded to the substrate with KÖSTER Silicate Adhesive. The

jointing is done with KÖSTER Silicate Mortar. In this manner an acid and abrasion resistant surface is achieved.

The standard waterproofing for masonry is KÖSTER NB 1 Grey. In case of active leakages the KÖSTER KD System is applied.

For restoring concrete or masonry damaged by acids, the substrate is to be mechanically cleaned until a solid, unburdened substrate is achieved. The substrate is then primed with KÖSTER Polysil TG 500. Reprofiling is done with KÖSTER Repair Mortar NC. On top of the reprofiling KÖSTER Silicate Mortar is applied as acid protection.

Shafts made from masonry and concrete must also be mechanically cleaned until a solid, unburdened substrate is achieved. Reprofiling and levelling is done with KÖSTER Sewer and Shaft Mortar, which has been especially developed for this field of application. It bonds very well to damp substrates, can be applied

Continuation →

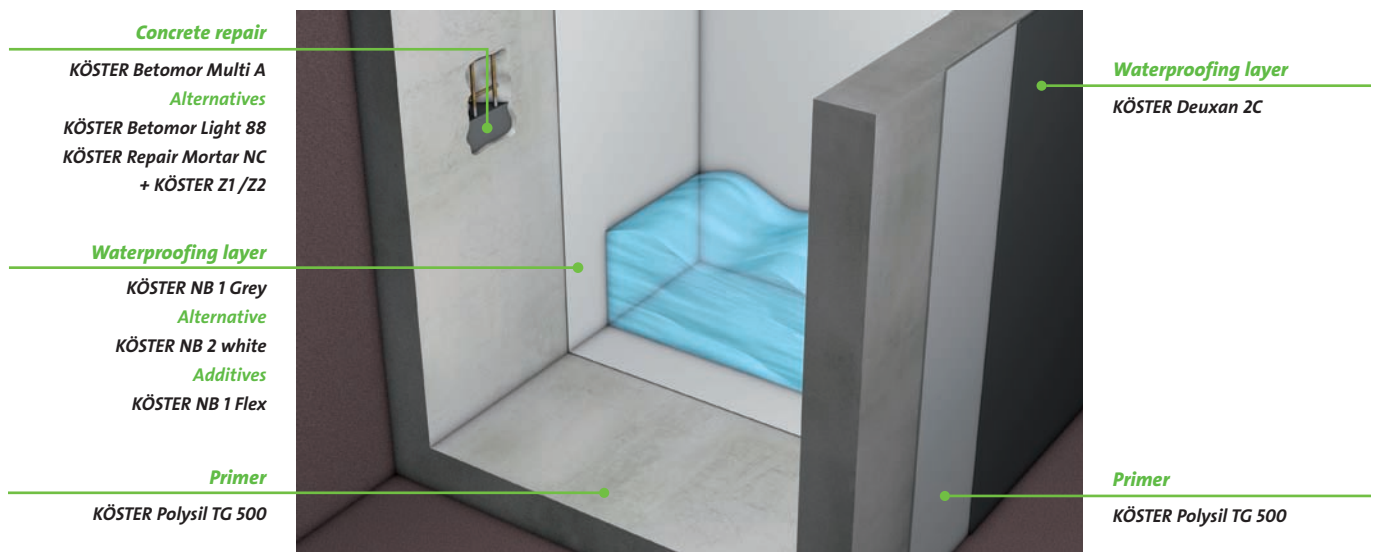
easily and sets quickly. KÖSTER Sewer and Shaft Mortar can to a certain degree even be applied under flowing water.

Pipe connections are often a source of leaks in sewer systems. Retroactive waterproofing is sometimes difficult due to significant water pressure from the inside and the outside. KÖSTER KB-Pur Gel is an ideally suitable injection material for such cases. Together with the mix water and the surrounding soil it forms an elastic waterproofing layer around the leakage. In this way pipe connections or defective pipes can be sealed quickly and permanently.

Elastic waterproofing of cracks is achieved with KÖSTER KB-Pur 2 IN 1. The material is injected in two steps: First in order to stop the water from flowing and secondly to close the crack elastically and permanently. In case of strong water ingress KÖSTER KB-Pur IN 1 is used due to its faster reaction time. In order to seal the crack permanently the same crack has to be injected with the elastic resin KÖSTER KB-Pur 2 afterwards.

Always adhere to the specifications in the respective Technical Guidelines.

Waterproofing water tanks



Concrete water tanks are waterproofed from the inside using KÖSTER NB 1 Grey or KÖSTER NB 2 White. KÖSTER NB 1 Grey is approved for use in drinking water environments.

The waterproofing is applied onto solid and prepared concrete substrates. The primer KÖSTER Polysil TG 500 increases the mechanical resistance of concrete surfaces and immobilizes salts present in the substrate. Smaller areas are repaired with KÖSTER Betomor Multi A or KÖSTER Betomor Light 88. Larger areas can be restored and reprofiled with KÖSTER Repair Mortar NC.

In the case of below grade tanks, the external side is waterproofed with a crack bridging coating, for example KÖSTER Deuxan 2C.

For waterproofing as well as for concrete repair, KÖSTER Polysil TG 500 is used as a primer in order to harden the concrete and prepare the substrate for the repair mortar.

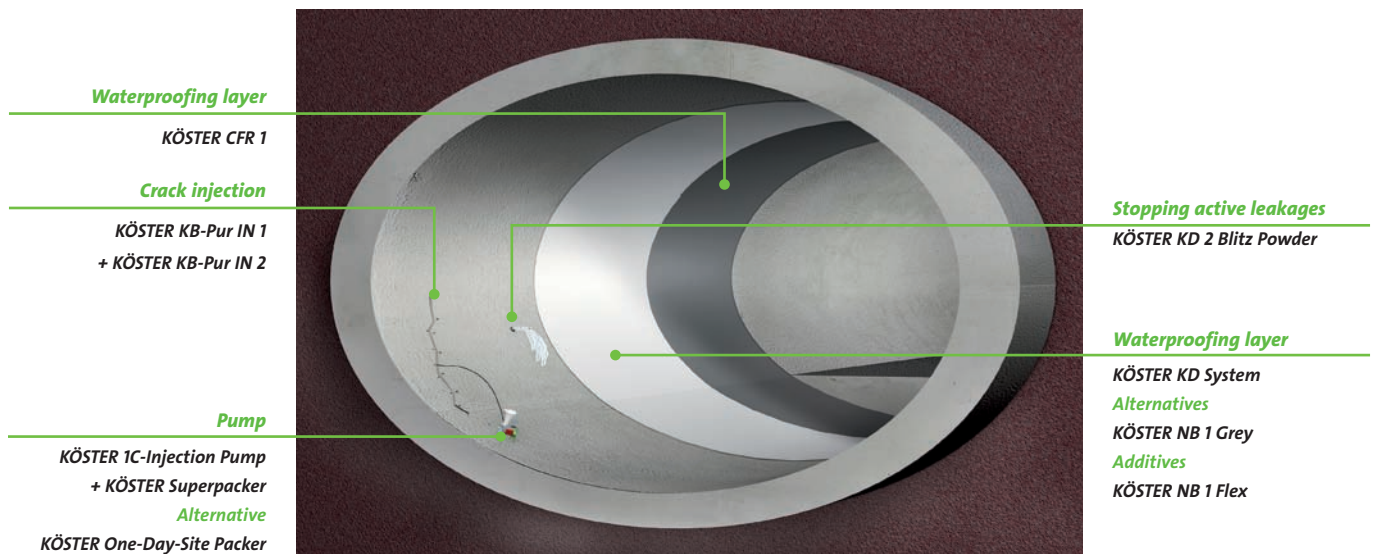
Always adhere to the specifications in the respective Technical Guidelines.

15 Special waterproofing projects



Special demands require special solutions – and a lot of experience. KÖSTER is specialized in individual solutions. A few of them are presented here. For special needs always contact our technical support team (support@koster.eu).

Waterproofing tunnels built in mining technique



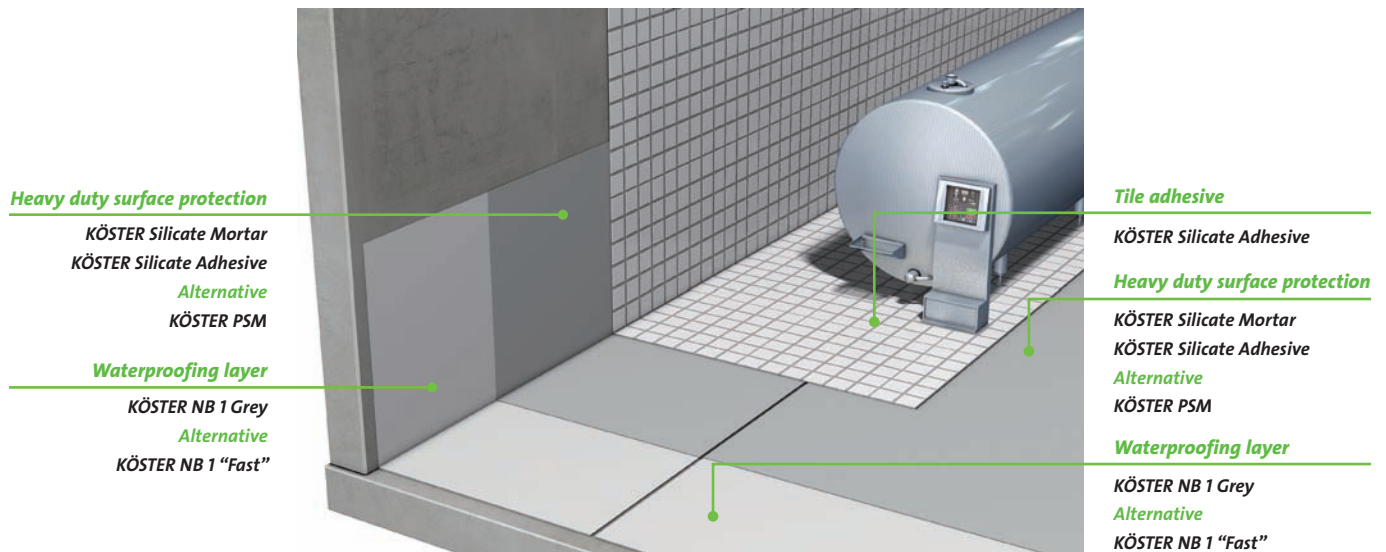
The method for waterproofing tunnels with KÖSTER products is based on a combination of negative side waterproofing and a liquid applied crack bridging waterproofing compound. The waterproofing layers cannot be infiltrated and the water will not move laterally between the layers as with membranes. The system does not need drainage. No water is being drained off the surrounding soil so the water table is not affected.

This system is suitable for tunnels built with closed construction techniques. Flowing water is stopped by injecting KÖSTER KB-Pur IN 1 and afterwards permanently sealed with the elastic resin KÖSTER

KB-Pur IN 2. Small leakages or whole walls which are being penetrated by water can be sealed with KÖSTER KD 2 Blitz Powder. To waterproof the entire surface from the negative side KÖSTER NB 1 Grey is applied to the dry and solid substrate. After KÖSTER NB 1 Grey has hardened the crack bridging coating KÖSTER CFR 1 is applied to the waterproofed and dry substrate. Finally the system is covered with another layer of concrete. The waterproofing is sandwiched between two concrete layers.

Always adhere to the specifications in the respective Technical Guidelines.

Heavy duty corrosion protection with silicate mortar

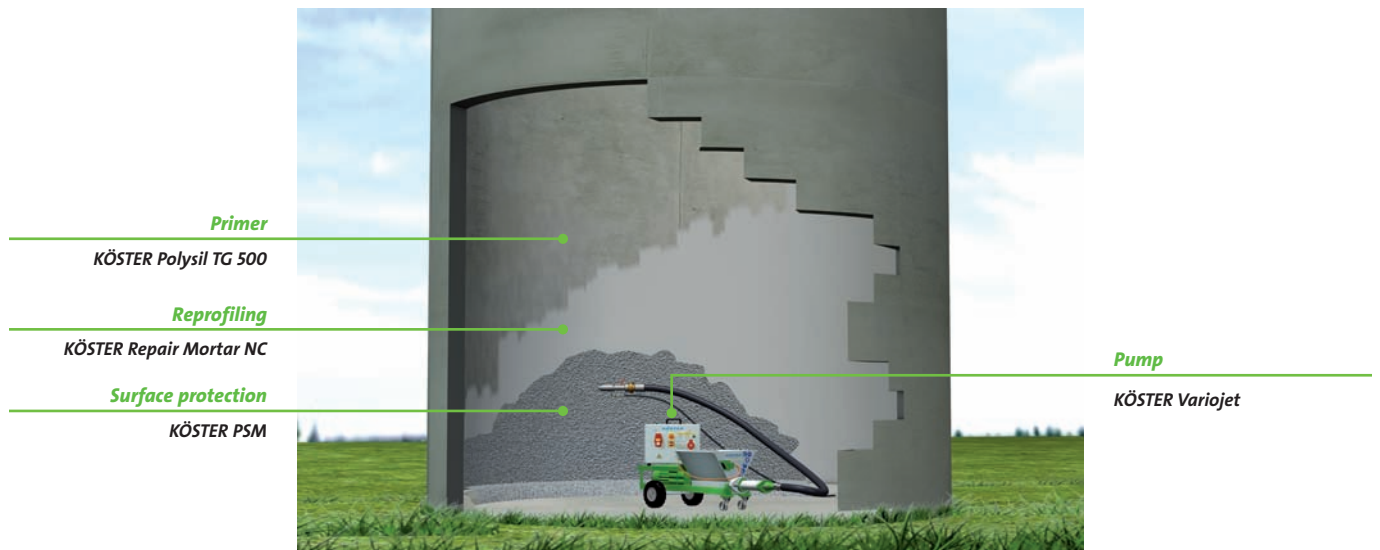


For the protection of concrete surfaces against acids the first step is to coat the surface with the negative side waterproofing KÖSTER NB 1 Grey or the faster version KÖSTER NB 1 "fast". The acid protection itself is made with KÖSTER Silicate Mortar (also suitable for damp substrates) or KÖSTER PSM (suitable for dry substrates and easy to apply).

Where acid resistant tiles are to be applied KÖSTER Silicate adhesive can be used as a tile adhesive and KÖSTER Silicate Mortar is used for jointing the tiles.

Always adhere to the specifications in the respective Technical Guidelines.

Heavy duty corrosion protection with KÖSTER PSM



One example of the need for heavy duty corrosion protection against acidic fumes and condensate is the coating of industrial chimneys made of concrete or masonry.

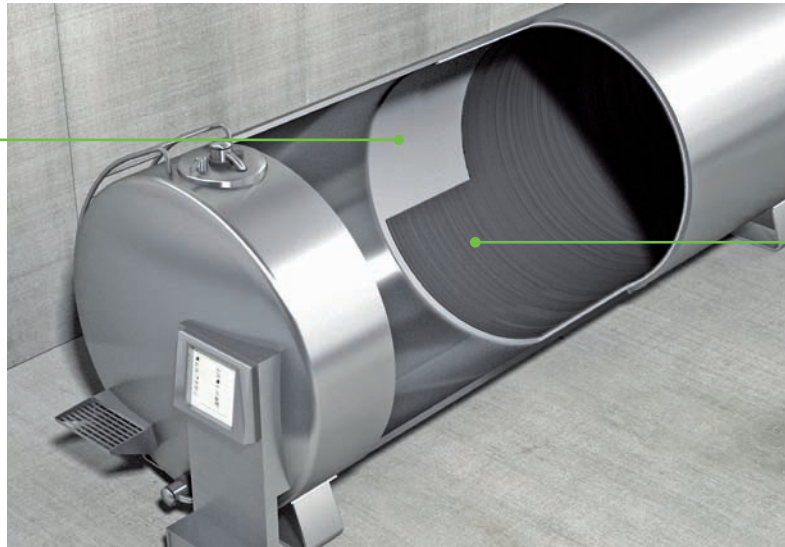
For the restoration of concrete or masonry, the substrate is to be mechanically cleaned until a solid, unburdened substrate is achieved. The surface is primed with KÖSTER Polysil TG 500, which hardens the substrate and immobilizes salts.

Reprofiing is done with KÖSTER Repair Mortar NC. The surface is roughened in order to achieve a strong mechanical bond to the surface with KÖSTER PSM.

KÖSTER PSM is applied as the protective layer against acids.

Always adhere to the specifications in the respective Technical Guidelines.

Corrosion protection on steel



Corrosion protection

KÖSTER Corrosion Protection
Alternative
KÖSTER VE

Corrosion protection (crack bridging)

KÖSTER PUR Bitumen

The corrosion protection of steel is usually done with a two layer coating of KÖSTER Corrosion Protection, applied by brush or roller. The substrate preparation is carried out according to DIN EN ISO 12 944-4 (Sa 2½, RY5 > 50 µm).

If a crack bridging, flexible coating is required KÖSTER Corrosion Protection is to be coated with two layers of KÖSTER PUR-Bitumen.

In the case of extraordinary high acid impact (e. g. when underrunning the acid dew point) the entire

coating is to be carried out with two layers of KÖSTER VE. In addition to that KÖSTER VE is suitable for covering edges, holes and screws prior to the application of KÖSTER Corrosion Protection.

Always adhere to the specifications in the respective Technical Guidelines.

Because corrosion protection on steel requires experience and should be analyzed case by case, please contact our technical consultants. They will be glad to answer your questions.

Products

The appropriate product for every type of waterproofing – the pages “Fields of Application” showed you what is needed for each type of solution. On the following pages the corresponding products are listed: The complete product range of the KÖSTER BAUCHEMIE AG, ordered by product groups.



1	<i>Polymer modified bitumen waterproofing products</i>	54	9	<i>Maintenance and cleaning agents, thinners</i>	101
2	<i>Concrete and mortar additives</i>	58	10	<i>Synthetic roof and waterproofing membranes, tapes</i>	103
3	<i>Waterproofing systems for area waterproofing and horizontal barriers</i>	60	11	<i>Accessories</i>	108
4	<i>Façade hydrophobation, surface protection and solidification</i>	69	12	<i>Machines, injection packers, tools, aids</i>	113
5	<i>Restoration plasters, fast setting cements, special mortars</i>	72			
6	<i>Epoxy coatings, concrete protection products, injection resins</i>	82			
7	<i>Elastic waterproofing, special coatings, primers</i>	93			
8	<i>Joint sealants, joint tapes, sealing putty</i>	97			





1 *Polymer modified bitumen waterproofing products*

Bitumen based products have become a standard in the waterproofing of buildings. In new building as well as in restoration, bitumen offers essential advantages compared to other building materials. Due to their properties, these waterproofing systems are user-friendly and provide security for decades.

The building material systems are characterized – besides water tightness – by a high resistance against chemical and mechanical stresses, they are easy to apply and they are especially environmentally friendly.

Regarding waterproofing of construction members with ground water contact, the polymer modified bitumen thick film sealants are anchored in the DIN 18195. The standard distinguishes between the following load conditions:

- *ground moisture / non-retained seepage*
- *retained seepage*
- *pressurized water*

KÖSTER provides the appropriate waterproofing system for every load condition.

1



KÖSTER Bitumen Primer

1.01

Brush or spray applied, dust-binding, solvent-containing bitumen primer. Suitable for cold applied self adhesive waterproofing membranes and bitumen based waterproofing, for example rubberized bitumen thick film sealants. Suitable as bonding agent on old bitumen.

Consumption	Packaging	Article no.
approx. 0.15 – 0.2 l/m ²	10 l bucket	01 01 010



KÖSTER Bitumen Coat

1.03

Solvent containing, cold liquid bitumen protection and waterproofing coating with high resistance against water, diluted acids and alkalies, vapors and flue gases.

Consumption	Packaging	Article no.
approx. 0.15 – 0.2 l/m ² per coat	30 l hobbock	01 03 030



KÖSTER Bitumen Emulsion

1.09

Solvent-free, low viscosity bitumen emulsion with excellent adhesive properties. It can be used as a primer or waterproofing, for example in concrete protection and external basement waterproofing.

Consumption	Packaging	Article no.
approx. 0.2 – 0.3 kg/m ² per coat	30 kg hobbock	01 09 030



KÖSTER BS 1 Bitumen Paste

1.10

Fibrated, solvent containing bitumen sealing compound with a permanent plasticizer. Suitable for the repair of bituminous waterproofing and for sealing the edges of cold applied self-adhesive waterproofing membranes. Fields of application include general repairs of bituminous waterproofings, wall connections, edges of basement waterproofings or floor waterproofing.

Consumption	Packaging	Article no.
approx. 1 l/m ² per mm layer thickness	5 l bucket	01 10 005





KÖSTER CFR 1

1.12

Hot-applied, highly elastic rubber-bitumen sealing compound for waterproofing against pressurized water up to 50 bar. It can also be used as a hot-applied joint grout. Ductility up to 2000%. For waterproofing all mineral, wooden and metal substrates.

Consumption	Packaging	Article no.
approx. 1 kg/m ² per mm layer thickness	23 kg block per carton	01 12 023



KÖSTER KBE Liquid Film*

1.13

Solvent-free, highly elastic bitumen / rubber based sealing compound. For high quality external waterproofing of construction members in ground contact, such as basements. Also suitable for waterproofing under protective screed (so called sandwich waterproofing), crack bridging waterproofing of concrete floors, flat roofs and much more. Elongation: > 900%.

* KÖSTER KBE Liquid Film is also available as HT version, which is specially suitable for hot temperature (HT) climates.

Consumption	Packaging	Article no.
approx. 1–2.5 kg/m ²	24 kg bucket	01 13 024



KÖSTER Bikuthan® 2C

1.14

Solvent-free, crack-bridging, stable, two-component, polymer modified bitumen thick film sealant with polystyrene light fillers in accordance with DIN 18 195. Approved by the building authorities. For waterproofing construction members in ground contact such as basements.

Consumption	Packaging	Article no.
approx. 4.5 l/m ²	28 l hobbock liquid component 25 l powder component 5 kg (inside)	01 14 028



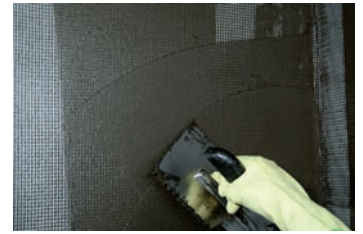


KÖSTER Bikuthan® 1C

1.15

Single component, solvent-free, stable, elastic, polymer modified bitumen thick film sealant with polystyrene light fillers. Suitable for spray application. Resistant against pressurized water, bridges cracks up to 5 mm. For waterproofing construction members in ground contact such as basements.

Consumption	Packaging	Article no.
approx. 4 – 6 l/m ²	30 l hobbock	01 15 030



KÖSTER Deuxan® 2C

1.16

Two-component, compression-resistant, elastic, polymer modified, fibrated bitumen thick film sealant for the secure waterproofing of buildings in accordance with DIN 18 195, such as basements. Resistant to pressurized water, approved by the building authorities. Radonproof.

Consumption	Packaging	Article no.
approx. 4 – 6 kg/m ²	32 kg hobbock liquid component 24 kg powder component 8 kg	01 16 032



KÖSTER Deuxan® Professional

1.17

Two-component, compression-resistant, elastic, fibrated, polymer modified bitumen thick film sealant for the secure waterproofing of buildings in accordance with DIN 18 195, such as basements. Specially designed for spray application and therefore suitable for professionals.

Consumption	Packaging	Article no.
approx. 4 – 6 kg/m ²	32 kg hobbock liquid component 24 kg powder component 8 kg	01 17 032





2 Concrete and mortar additives

The use of additives in mineral mortars and sealing slurries can greatly improve their characteristics. Depending on the product, these additives can act to waterproof and elastify, among other positive enhancements. They also prevent premature drying during the curing time.

Our concrete and mortar additives are characterized by their universal applicability. KÖSTER SB Bonding Emulsion can for example be used in mortars, plasters, sealing slurries and concrete.

With many of our waterproofing systems, we recommend the use of these additives.

2



KÖSTER Mortar Sealing Liquid 2.09

Liquid mortar additive. Chloride free, plasticizing sealing agent for mortars, cement and lime cement plasters. Reduces the water absorption and the capillary absorbency considerably. For making mortars and plasters resistant to pressurized water.

Consumption	Packaging	Article no.
approx. 3 kg per 100 l mixing water	10 kg jerrycan	02 09 010



KÖSTER SB Bonding Emulsion 2.11

Multi-purpose liquid plasticizing dispersion for use with all cement based mortars, plasters and sealing slurries. Solvent free, plasticizer and filler free. The product provides a plastifying effect, increases the elasticity and reduces the water absorption of mineral systems. It is waterproof after full cure. Typical field of application: as an additive for waterproofing with NB 1 Grey.

Consumption	Packaging	Article no.
approx. 5 – 30 kg per 100 l mixing water	30 kg jerrycan	02 11 030
	10 kg jerrycan	02 11 010
	5 kg jerrycan	02 11 005



KÖSTER BDM 2.131

Crystallizing, chloride free sealing agent for the integral waterproofing of concrete elements. KÖSTER BDM combines all three important characteristics for integral waterproofing. It crystallizes, blocks capillaries and makes the concrete water-repellent. Due to the combination of these three effects KÖSTER BDM reduces the water absorbency of the concrete, increases its compressive strength and resistance against chemical attack. It is free of corrosive ingredients and is non-sensitive to mechanical damage to the surface.

Consumption	Packaging	Article no.
2 % (mass) of cement content	1000 kg IBC	02 13 100



3 Waterproofing products for area waterproofing and horizontal barriers

This product group contains mineral based systems, injection liquids for waterproofing against rising damp and anti-mold-systems.

Our mineral waterproofing systems are complemented by products which can be used for waterproofing against active leakages. When restoring buildings, a suitable system can be chosen depending on the specific conditions encountered. All Products are very user-friendly, and considerable time saving can be realized.

The KÖSTER BAUCHEMIE AG has decades of experience in the field retroactive waterproofing against rising moisture in masonry. For this problem we offer you products where the top priority is safety – during application as well as in regard to long lasting function.

Mold and the resulting toxins have considerable from the KÖSTER BAUCHEMIE AG have adverse health effects. Because mold always needs moisture to grow, a permanent protection can only be achieved by waterproofing. Products from the KÖSTER BAUCHEMIE AG have proven their value in this field of application exceptionally well.

3



KÖSTER KD 1 Base

3.011

Fast setting, mineral sealing slurry with high resistance against aggressive ground moisture and pressurized water. Used in combination with KÖSTER KD 2 Blitz Powder and KÖSTER KD 3 Sealer for the negative side waterproofing of mineral surfaces such as internal basement waterproofing. The KÖSTER KD System stops flowing water and forms a permanent waterproofing layer on masonry and concrete.

Consumption	Packaging	Article no.
approx. 1.5 – 2.5 kg/m ²	15 kg bucket	03 01 115
	6 kg bucket	03 01 106
	1 kg can	03 01 101



KÖSTER KD 2 Blitz Powder

3.012

Highly reactive powder with an extremely short setting time. Active leakages can be stopped within a few seconds simply by using the dry powder. Used in combination with KÖSTER KD 1 Base and KÖSTER KD 3 Sealer for the negative side waterproofing of mineral surfaces such as internal basement waterproofing. The KÖSTER KD System stops flowing water and forms a permanent waterproofing layer on masonry and concrete.

Consumption	Packaging	Article no.
approx. 1 – 2 kg/m ²	15 kg bucket	03 01 215
	6 kg bucket	03 01 206
	1 kg can	03 01 201





KÖSTER KD 3 Sealer

3.013

Low viscosity silicifying liquid. The active ingredients penetrate deeply into the substrate and form water insoluble compounds. The pores are plugged and permanently waterproofed through continuing crystalization. Used in combination with KÖSTER KD 1 Base and KÖSTER KD 2 Blitz Powder for the negative side waterproofing of mineral surfaces such as internal basement waterproofing. The KÖSTER KD System stops flowing water and forms a permanent waterproofing layer on masonry and concrete.



Consumption	Packaging	Article no.
approx. 0.5 kg/m ²	12 kg jerrycan	03 01 312
	6 kg jerrycan	03 01 306
	0.5 kg bottle	03 01 300



KÖSTER KD System

3.019

System package for the negative side waterproofing of mineral surfaces against pressurized water such as internal basement waterproofing. The KÖSTER KD System stops flowing water and forms a permanent waterproofing layer on masonry and concrete. All components of the KÖSTER KD System in one package.

Consumption	Packaging	Article no.
for 0.5 – 1 m ²	Content: 1 kg KD1 Slurry 1 kg KD2 Blitz Powder 0.5 kg KD3 Sealer	03 01 901



KÖSTER NB 1 Flex

3.0211

Ready-mixed liquid for KÖSTER NB sealing slurries. The latex based dispersion KÖSTER NB 1 Flex has a plastifying effect, improves the adhesion to the substrate and prevents the premature drying out of the fresh slurry.



Consumption	Packaging	Article no.
approx. 8 kg for 25 kg NB 1 Grey & NB 1 White	8 kg jerrycan	03 02 118



KÖSTER NB 1 Grey

3.0212

Watertight (> 130 m water head) mineral waterproofing with subsequently crystallizing agents. Suitable for positive side and negative side waterproofing. A waterproofing made of KÖSTER NB 1 Grey possesses excellent pressure and abrasion resistance. Approved by the building authorities and tested in accordance with the potable water guidelines. For area waterproofing in new construction and restoration, e.g. waterproofing of basements and tanks.

Consumption	Packaging	Article no.
approx. 2 – 4 kg/m ²	25 kg bag	03 02 125



KÖSTER NB 2 White

3.022

White mineral coating for the waterproofing of mineral substrates. Waterproofing layers made of KÖSTER NB 2 are resistant to pressurized water, possess a high pressure and abrasion resistance. For area waterproofing of new construction and restoration, e.g. internal and external basement waterproofing.

Consumption	Packaging	Article no.
approx. 3 – 5 kg/m ²	25 kg bag	03 02 225



KÖSTER NB 1 "Fast"

3.023

Fast setting, deep crystallizing mineral surface coating which is resistant against pressurized water. It is suitable for the fast positive or negative side waterproofing of masonry and concrete, e.g. in basements or water tanks.

Consumption	Packaging	Article no.
approx. 1.5 – 4 kg/m ²	25 kg bag	03 02 325



KÖSTER Restoration Slurry

3.025

Surface coating, resistant to sulphates and pressurized water. The material possesses a high mechanical strength and is resistant to chemical stresses and abrasion. For internal basement waterproofing.

Consumption	Packaging	Article no.
approx. 2 – 4 kg/m ²	25 kg bag	03 02 525





KÖSTER NB Elastic Grey 3.031

For abrasion resistant waterproofing of concrete and masonry structures which are in danger of cracking. KÖSTER NB Elastic Grey is a 2-component system, bridges cracks up to 2 mm and is resistant to pressurized water. It is suitable for the waterproofing of balconies, terraces and crack bridging waterproofing of concrete elements, also under tiles. Radonproof.

Consumption	Packaging	Article no.
approx. 3.6 – 4.5 kg / m ²	33 kg combipackage powder component 25 kg bag liquid component 8 kg jerrycan	03 03 133



KÖSTER NB Elastic White 3.034

For abrasion resistant waterproofing of visible concrete and masonry structures which are in danger of cracking. KÖSTER NB Elastic White is a white, 2-component system, bridges cracks up to 2 mm and is resistant to pressurized water. It is suitable for the waterproofing of balconies, terraces and the crack bridging waterproofing of concrete elements, also under tiles. Radonproof.

Consumption	Packaging	Article no.
approx. 3.6 – 4.5 kg / m ²	33 kg combipackage powder component 25 kg bag liquid component 8 kg jerrycan	03 03 433



KÖSTER NB 4000 3.036

A polymer modified mineral coating for the positive and negative side waterproofing of building structures. It is resistant to rain soon after its application and can be exposed to pressurized water after 24 hours of curing time. KÖSTER NB 4000 is elastic and crack bridging and suitable for waterproofing, for instance of basements, foundation plates, masonry and the repair of defect waterproofing layers.

Consumption	Packaging	Article no.
approx. 3.0 – 4.3 kg / m ²	30 kg combipackage	03 03 630
wet layer thickness 3.2 mm;	powder component	
consumption: 3 kg / m ²	15 kg bag	
dried layer thickness:	liquid component	
4.0 mm:	15 kg bucket	
wet layer thickness 4.5 mm;		
consumption: 4.3 kg / m ²		





KÖSTER Elastic Roof

3.038

KÖSTER Elastic Roof is an elastic, crack bridging, and solvent-free waterproofing material for dry and slightly damp substrates. It is free of VOCs (Volatile Organic Compounds), free of Polyurethanes, and free of Isocyanates. The fast drying foil-like coating is highly flexible, watertight and water vapor permeable. The foil is resistant against ageing, hydrolysis, UV-rays, frost and de-icing salts. The white color reflects heat. Since KÖSTER Elastic Roof sticks to itself, the application is easy and seamless.



Consumption	Packaging	Article no.
Consumption approx. 1.5 bis 2.0 kg / m ² in two layers	15 kg combipackage (A-Component 10 kg bucket; B-Component 5 kg bucket)	03 03 815



KÖSTER NB Elastic 1C White

3.039

For abrasion resistant waterproofing of areas which are in danger of cracking. Single component, light colored, elastic coating which is resistant to pressurized water. KÖSTER NB Elastic 1C White is crack bridging and resistant to abrasion.



Consumption	Packaging	Article no.
approx. 3 – 5 kg / m ²	25 kg bag	03 03 925



KÖSTER Mautrol®-Liquid Sealant

3.041

Very thin fluid, deeply penetrating silicifying concentrate for waterproofing against rising damp (wicking moisture) in masonry. It reacts to water insoluble and water-repelling compounds which also have a solidifying effect on the building material. Together with KÖSTER Restoration Plasters it is suitable for the restoration of masonry.



Consumption	Packaging	Article no.
approx. 0.1 kg / m	240 kg drum	03 04 124
per cm wall thickness	36 kg jerrycan	03 04 136
	12 kg jerrycan	03 04 112



KÖSTER Mautrol®-Cartridges 3.042

Silicifying concentrate in ready to use cartridges for waterproofing against rising damp (wicking moisture) in masonry. For pressureless injection into masonry. Together with KÖSTER Restoration Plasters it is suitable for the restoration of masonry.

Consumption	Packaging	Article no.
8 – 15 cartridges per m depending on wall thickness	0.55 kg cartridge = 28 St./carton	03 04 201



KÖSTER Mautrol®-Borehole Suspension 3.05

Sulphate-resistant, solidifying mortar with silicifying properties for the filling of voids and cracks during the installation of a horizontal barrier. Due to the low viscosity the mortar penetrates into the finest voids and cracks. Capable of flowing. In particular for use before the installation of horizontal barriers by pressurized injection.

Consumption	Packaging	Article no.
approx. 1.6 kg/l void	24 kg bag	03 05 024



KÖSTER Mautrol® 2C 3.061

Can be applied in strongly moisture penetrated construction members for waterproofing against rising damp (wicking moisture) without previous drying. The material is applied by pressurized injection. Together with KÖSTER Restoration Plasters it is suitable for the restoration of masonry. KÖSTER Mautrol® 2K is a two-component, solvent-free, low viscous injection fluid on the basis of silicates and esters and has a solidifying effect on masonry.

Consumption	Packaging	Article no.
approx. 0.15 kg/m per cm wall thickness	Comp. A 240 kg drum	03 06 126
	Comp. B 22 kg jerrycan	
	Comp. A 36 kg jerrycan	03 06 139
	Comp. B 3.5 kg jerrycan	



KÖSTER Mautrol® Flex 2C 3.062

2-component, solvent-free, water dilutable acrylic based injection liquid against rising damp (wicking moisture). Suitable for application even in very damp construction members without drying them beforehand.

Consumption	Packaging	Article no.
approx. 0.2 kg/m per cm wall thickness	20 kg combipackage	03 06 220
	Komp. A 10 kg jerrycan	
	Komp. B 10 kg jerrycan	





KÖSTER Crisin® 76

3.081

Very low viscosity synthetic resin for waterproofing against rising damp (wicking moisture) even in case of high moisture and salt contents in the masonry. Due to its very low density and its surface tension which is considerably lower than that of water, KÖSTER Crisin 76 displaces water from the capillaries. After full cure, KÖSTER Crisin 76 remains elastic and does not rot. Density: 0.76 g/cm³, viscosity 1.2 mPa · s. KÖSTER Crisin 76 is resistant to all aggressive media which are usually encountered in masonry such as acids, alkalis and salts, during application as well as after full cure. Tested according to WTA guidelines. Together with KÖSTER Restoration Plasters it is suitable for the restoration of masonry.



Consumption	Packaging	Article no.
approx. 0.1 l/m	210 l drum	03 08 121
per cm wall thickness	30 l jerrycan	03 08 130
	10 l jerrycan	03 08 110



KÖSTER Crisin® 76 Cartridges

3.082

Dissolved synthetic resin in a ready to use cartridge for waterproofing against rising damp (wicking moisture) even in the case of high moisture and salt contents. Together with KÖSTER Restoration Plasters it is suitable for the restoration of masonry.



Consumption	Packaging	Article no.
8 – 15 cartridges per m depending on wall thickness	450 ml cartridge = 28 st./carton	03 08 201



KÖSTER Waterstop

3.14

Fast setting, slightly expanding plug and repair mortar. A strong-bond between existing substrate and the mortar is achieved. Suitable to permanently plug active water leakages.



Consumption	Packaging	Article no.
approx. 2 kg/l void	15 kg bucket	03 14 015



KÖSTER AMS Liquid Film

3.152

Solvent-free dispersion coating that reduces vapor transmission. Component 1 of the KÖSTER Anti Mold System for combatting and preventing mold infestation in living areas on a purely physical basis, free of fungicidal poisons.

Consumption	Packaging	Article no.
approx. 0.5 kg/m ²	5 kg bucket	03 15 205



KÖSTER AMS Special Plaster

3.153

Condensate-reducing capillary-inactive special plaster. Component 2 of the KÖSTER Anti Mold System for combatting and preventing mold infestation in living areas on a purely physical basis, free of fungicidal poisons.

Consumption	Packaging	Article no.
approx. 2 kg/m ²	15 kg bag	03 15 315



KÖSTER AMS System Pack

3.159

System for combatting and preventing mold infestation in living areas on a purely physical basis, free of fungicidal poisons.

Consumption	Packaging	Article no.
for approx. 4 m ²	Contents: 2 kg Liquid Film 10 kg Special Plaster	03 15 901



4 *Façade hydrophobization, surface protection and solidification*

Façades are subject to highest stresses because they are exposed to the weather without protection for decades. Rain, changing of temperature and movements of the construction members can damage the functionality of this important part of the building structure.

Through hydrophobization the surface is permanently protected. On the façade, a diffusion open, water repellent impregnation is achieved through the application of liquid or pasty products. The application of the impregnation also has advantages from an energetic point of view a dry façade has a higher insulation value than a wet façade.

Salts and gases also lead to damage in concrete and other mineral substrates, for example in buildings used in agriculture. The KÖSTER BAUCHEMIE AG offers effective products for this field of application. These products create a solidifying and at the same time salt resistant protection.

A silicone paint as decorative and functional finish rounds off this product group.

4



KÖSTER Polysil® TG 500

4.011

A primer for mineral substrates before waterproofing with cementitious waterproofing slurries. In case of masonry restoration the product is used during substrate preparation for restoration plaster systems in order to harden the substrate and immobilize salts. Also suitable for the additional hardening of waterproofing slurries.

KÖSTER Polysil® TG 500 is a low viscous, substrate solidifying, hydrophobizing combination product on a polymer / silicate basis for the protection of mineral substrates. On salt containing and moist substrates, it causes a reduction of the pore volume and thereby prevents the renewed formation of salt efflorescence.

Consumption	Packaging	Article no.
approx. 0.1 – 0.13 kg / m ² depending on the substrate	10 kg jerrycan 1 kg bottle	04 01 110 04 01 101
approx. 0.2 – 0.25 kg / m ² for hardening of slurries		



KÖSTER Polysil® TX

4.012

Suitable for the protection of surfaces and solidification of mineral building materials. KÖSTER Polysil® TX is a pasty combination product on a polymer- / silicate- / silicate-basis. On salt-containing and damp substrates, it leads to a reduction of the pore volume and is hydrophobizing. Due to its pasty consistency and depending on the substrate, the product penetrates up to a few centimeters deep into the pores. KÖSTER Polysil® TX strengthens the substrate and is, when fully cured, practically impermeable to dissolved carbonates and salts which damage building materials.

Consumption	Packaging	Article no.
approx. 0.1 kg / m ²	10 kg bucket	04 01 210



KÖSTER Polysil® OLH

4.013

Impregnation for mineral substrates. Low viscous combination product on a polymer / silicate basis. Polysil® OLH leads to a reduction of the pore volume and thereby considerably reduces the penetration of water, oil and grease.

Consumption	Packaging	Article no.
approx. 0.15 – 0.25 kg / m ² de- pending on the absorb- ency of the substrate	10 kg jerrycan	04 01 310



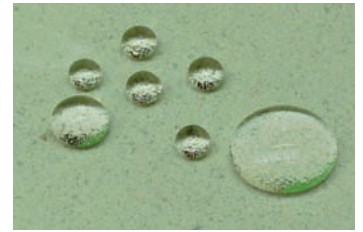


KÖSTER Siloxan

4.04

Facade hydrophobization for the protection of mineral building materials from water and driving rain. Sprayable, colorless after curing and open to water vapor diffusion.

Consumption	Packaging	Article no.
approx. 0.2 – 1.0 l/m ² depending on absorbency of the surfaces	10 l jerrycan	04 04 010



KÖSTER Silicone Paint White

4.16

Ideal for use on restoration plasters. Diffusion open, matt silicone resin paint with a special water repelling effect.

Consumption	Packaging	Article no.
approx. 0.2 l/m ² per coat	10 l bucket	04 16 010



KÖSTER Façade Cream

4.20

Protection of mineral building structures and façades from water and driving rain. Solvent free, colorless after curing, water repellent, diffusion open hydrophobization cream for brick, clinker, natural stone and mineral plasters.

Consumption	Packaging	Article no.
0.1 – 0.25 l/m ² depending on absorbency of the surfaces	25 l hobo 5 l bucket	04 20 025 04 20 005





5 Restoration plasters, fast setting cements, special mortars

This product group contains to a large field of applications. All products in this group are mineral based.

KÖSTER Restoration Plasters have been successfully applied for decades in the restoration of salt and moisture burdened masonry. The properties of these plasters were derived from the requirements on the restoration plasters which have to allow the masonry to dry. Furthermore, they have a high porosity and they are be hydrophobic in combination with a good resistance to salts. KÖSTER Restoration Plasters meet the requirements of DIN EN 998-1 and carry a CE-mark.

Our mortar systems meet a large variety of different requirements such as high compressive strength, short curing time, high tensile strength and water tightness. Depending on the specific application, products can be chosen from the mortar systems of the KÖSTER BAUCHEMIE AG which have the desired combination of chemical and physical characteristics.

5



KÖSTER KB-FIX 1

5.011

Waterproof, weatherproof, fast curing mortar with high compressive strength (sets after approx. 1 minute) for fast installations as well as for small repairs of masonry and concrete. Free of soda and chlorides.

Consumption	Packaging	Article no.
approx. 1.8 kg / l void	15 kg bucket	05 01 115



KÖSTER KB-FIX 5

5.015

Waterproof, weatherproof, fast curing mortar with high compressive strength (sets after approx. 5 minutes) for fast installations as well as for small repairs of masonry and concrete. Free of soda and chlorides.

Consumption	Packaging	Article no.
approx. 1.8 kg / l void	15 kg bucket	05 01 515



KÖSTER Fast Setting Cement

5.02

Mineral setting accelerator as an additive for cement based plasters, screeds, and masonry mortars. For controlling the curing time.

Consumption	Packaging	Article no.
depends on the desired curing time	20 kg bag	05 02 020



KÖSTER Repair Mortar

5.030

Hydrophobic, pressurized water resistant mortar with special bonding agents suitable for fillets, repairs and as a barrier-plaster. When mixed with KÖSTER SB Bonding Emulsion it becomes a PCC Mortar.

Consumption	Packaging	Article no.
approx. 1.8 kg / l void	30 kg bag	05 03 030





KÖSTER *Repair Mortar Plus* **5.032**

Slightly expanding, hydrophobic, fast setting repair mortar which is resistant to pressurized water. When mixed with KÖSTER SB Bonding Emulsion it becomes a PCC Mortar.

Consumption	Packaging	Article no.
<i>approx. 1.8 kg / l void</i>	<i>30 kg bag</i>	<i>05 03 230</i>



KÖSTER *Repair Mortar NC* **5.035**

Suitable for large reprofiling and repair works, has excellent workability characteristics and adhesion to old and new mineral building substrates. KÖSTER Repair Mortar NC is characterized by high chemical and mechanical resistance and compressive strength. Fiber reinforced. Also suitable as substrate preparation for corrosion protection with KÖSTER PSM or KÖSTER Silicate Mortar, e.g. in industrial chimneys, sewer systems, or other concrete structures which are exposed to low pH environments.

Consumption	Packaging	Article no.
<i>approx. 2 kg / l void as repair mortar; approx. 20 kg / m² per cm layer thickness</i>	<i>25 kg bag</i>	<i>05 03 530</i>



KÖSTER *Pre-Plaster* **5.05**

Sulphate resistant, salt storing, diffusion open base plaster. For levelling uneven substrates.

Consumption	Packaging	Article no.
<i>approx. 10 kg / m² per cm layer thickness</i>	<i>30 kg bag</i>	<i>05 05 530</i>





KÖSTER **Restoration Plaster 1 Grey** 5.061

Diffusion-open, salt-resistant restoration plaster. It can be applied manually or by machine. Very high porosity and hydrophobic properties. Prevents or reduces the formation of condensate.

Consumption	Packaging	Article no.
approx. 12 kg/m ² per cm layer thickness	30 kg bag	05 06 130



KÖSTER **Restoration Plaster 2 White** 5.062

Diffusion-open, salt-resistant, high compressive strength, white restoration plaster with very high porosity and hydrophobicity. It prevents or reduces the formation of condensate. It can be applied manually or by machine.

Consumption	Packaging	Article no.
approx. 12 kg/m ² per cm layer thickness	30 kg bag	05 06 230



KÖSTER **Restoration Plaster 2 "Fast"** 5.063

White, fast setting restoration plaster. Diffusion-open, high compressive strength, water-repellent and ready for smoothing after 30 – 60 minutes. Free of light fillers.

Consumption	Packaging	Article no.
approx. 12 kg/m ² per cm layer thickness	30 kg bag	05 06 330



KÖSTER **Restoration Plaster 2 "Light"** 5.064

White, diffusion-open, water-repellent, hydrophobic, salt-resistant restoration plaster with a low specific gravity and high porosity.

Consumption	Packaging	Article no.
approx. 9 kg/m ² per cm layer thickness	25 kg bag	05 06 425





KÖSTER

Restoration Plaster 2 "Light and Fast"

5.065

White, special diffusion-open, water-repellent, salt-resistant and fast setting restoration plaster with low specific gravity. Ready for smoothing after 30 – 60 minutes.

Consumption	Packaging	Article no.
approx. 9 kg/m ² per cm layer thickness	25 kg bag	05 06 525



KÖSTER

Restoration Plaster "E" Grey 5.068

Diffusion-open, salt-resistant restoration plaster. It can be applied manually or by machine. Very high porosity and hydrophobic properties. Prevents or reduces the formation of condensate.

Consumption	Packaging	Article no.
approx. 12 kg/m ² per cm layer thickness	1 palette = 42 x 30 kg bag (= 1.260 kg)	05 06 800
	30 kg bag	05 06 830

KÖSTER

Restoration Plaster Coat 5.069

Fine-grained, diffusion-open cement based, water-repelling plaster coat for application on top of KÖSTER Restoration Plasters.

Consumption	Packaging	Article no.
approx. 1.7 kg/m ² per mm layer thickness	25 kg bag	05 06 925





KÖSTER Self-Levelling Floor 15 5.091

Single-component, self-levelling, gypsum-free floor screed for levelling uneven floors. Very high compressive strength. It can be walked on after 3 hours, it is abrasion and wear resistant. Recommended layer thickness: 2 – 15 mm

Consumption	Packaging	Article no.
approx. 2 kg/m ² per mm layer thickness	25 kg bag	05 09 125



KÖSTER Self Leveling IB 5.095

Self leveling underlayment to form an isolation barrier between a permanently moisture burdened floor or floor contaminated with soluble silicates and the subsequent moisture mitigation system.

KÖSTER Self Leveling IB does not contain gypsum or silica sand and it is resistant to hydrolysis and permanent high alkalinity. The underlayment is resistant to foot traffic soon after installation and it is resistant to abrasion and wear.

Consumption	Packaging	Article no.
approx. 1.8 kg/m ²	31.6 kg combipackage powder component 25 kg bag liquid component 6.6 kg jerrycan	05 09 531



KÖSTER Adhesive Mortar 5.13

Multi-purpose, 2-component, frost resistant adhesive mortar for tiling and natural flagstone.

Consumption	Packaging	Article no.
approx. 2 kg/m ² per mm layer thickness	33 kg combipackage powder component 25 kg bag liquid component 8 kg jerrycan	05 13 033

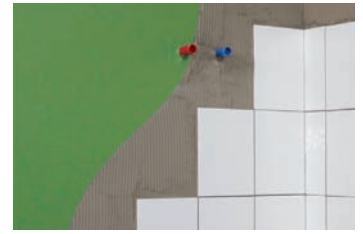




KÖSTER BD Flexible Tile Adhesive 5.14

Single component, mineral flexible adhesive for all mineral building materials in construction. In combination with the KÖSTER BD System suitable for waterproofing wet rooms.

Consumption	Packaging	Article no.
approx. 1.7 kg / m ² per mm layer thickness	25 kg bag	05 14 025



KÖSTER Silicate Mortar* 5.15

2-component, highly chemically resistant special silicate based mortar for vertical and horizontal areas, e.g. in sewage works or in case of high chemical stresses. Also suitable for damp substrates. Fields of application from pH 0 to pH 7.

* KÖSTER Silicate Mortar is also available as HT version, which is specially suitable for hot temperature (HT) climates.

Consumption	Packaging	Article no.
approx. 2.1 kg / m ² per mm layer thickness	29.5 kg combipackage powder component 24 kg bag liquid component 5.5 kg jerrycan	05 15 295



KÖSTER Silicate Adhesive 5.17

White, chemical-resistant silicate adhesive for bonding ceramic tiles in chemically highly stressed areas.

Consumption	Packaging	Article no.
approx. 2.1 kg / m ² per mm layer thickness	31.6 kg combipackage powder component 25 kg bag liquid component 6.6 kg jerrycan	05 17 031





KÖSTER PSM

5.18

Three-component, highly chemical resistant, silicate and polymer based special mineral mortar for waterproofing horizontal and vertical areas which require very high acid resistance in the area of pH 0 – 8. Suitable for dry substrates, easy to apply.

Consumption	Packaging	Article no.
approx. 1.9 kg / m ² per mm layer thickness	30.75 kg combipackage powder component 24 kg bag liquid component 5.5 kg jerrycan polymer component 1.25 kg jerrycan	05 18 030



KÖSTER

Sewer and Shaft Mortar

5.19

Water tight, fast curing and fast setting restoration mortar specially designed for sewers and shafts. KÖSTER Sewer and Shaft Mortar develops a high compressive strength, is fiber reinforced, very easy to apply and workable even under flowing water.

Consumption	Packaging	Article no.
approx. 1.8 kg / l void	25 kg bag	05 19 025



KÖSTER

Betomor® Multi A

5.20

Shrink-free, fast curing multi purpose mortar for concrete restoration. In particular suitable for the protection of exposed reinforcement steel: It unites corrosion protection, coarse mortar, fine filler and bonding bridge in one product. For layer thicknesses from 0 – 60 mm.

Consumption	Packaging	Article no.
approx. 1.3 kg / l void	25 kg bucket	05 20 025
	15 kg bucket	05 20 015
	6 kg bucket	05 20 006





KÖSTER C-Coat

5.21

For the repair and maintenance of concrete surfaces. Waterproof and tension free after full cure. Synthetically modified, waterproof fine filler for the smoothing of concrete surfaces.

Consumption	Packaging	Article no.
approx. 1.7 kg/m ² per mm layer thickness	25 kg bag	05 21 025



KÖSTER Betomor® Light 88

5.23

Specially designed light weight mortar for repair- and reprofiling work in overhead and vertical areas. Shrink-free, high compressive strength, waterproof. Suitable for all mineral substrates.

Consumption	Packaging	Article no.
approx. 0.88 kg/l void	18 kg bag	05 23 020



KÖSTER VGM Fast

5.25

Fast curing grout mortar with high final compressive and flexural strength and very high slump flow for all construction and repair applications. Ready to receive traffic after 3 hours. Fields of application include road surfaces, warehouse ramps, man holes or as a grout for installations and anchor holes.

Consumption	Packaging	Article no.
approx. 1.9 kg/l void	30 kg bag	05 25 130



KÖSTER MF 1

5.28

White mineral paint suitable for inside and outside areas. KÖSTER MF 1 is delivered in powder form, effective against algae, mold and fungi and free of fungicidal toxins.

Consumption	Packaging	Article no.
approx. 0.8 kg/m ² per coat	20 kg bag 12 kg bucket	05 28 020 05 28 012





KÖSTER **Micro Grout 1C**

5.29

Injection grout for the restoration of structural strength in cracks or voids in masonry and concrete. KÖSTER Micro Grout 1C possesses a high compressive strength, is shrink free and does not show sedimentation during its pot life. Fields of application include crack injection also in overhead areas, filling of voids as well as the grouting of masonry anchors.



Consumption	Packaging	Article no.
<i>approx. 1.6 kg/l void</i>	<i>24 kg bag</i>	<i>05 29 024</i>



6 Epoxy coatings, concrete protection products, injection resins

The polyurethane and epoxy resins manufactured by KÖSTER BAUCHEMIE AG are applied in waterproofing in wide a spectrum of application: Injection resins, moisture mitigation systems, floor coatings and coatings for corrosion protection of concrete and steel.

Köster offers suitable materials for all injection applicators – no matter if for waterproofing or for structural repair. For waterproofing water bearing cracks and joints where usually various different products have to be applied, KÖSTER KB-PUR 2 IN 1 is used. This material has two functions. As injection foam (water stopper) as well as elastic sealing.

The selection of the proper material in this category depends on the specific stresses a building element is subjected to. The KÖSTER BAUCHEMIE AG offers solution for crack injection, industrial floors, shops, offices and areas in need of special mechanical and chemical protection.

6



KÖSTER EM-VS

6.01

Broadly applicable, scratch resistant sealant for wall and floor surfaces against medium mechanical stresses. KÖSTER EM-VS is a 2-component, water based epoxy resin sealant with excellent covering properties. Color approximates RAL 7032 (pebble grey), other colors are available upon request. Fields of application: all type of mineral surfaces in shops, garages, etc.



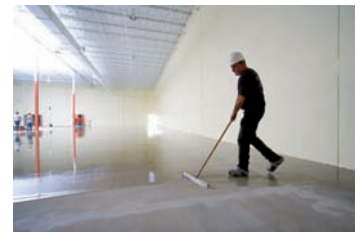
Consumption	Packaging	Article no.
approx. 0.2 – 0.3 kg / m ²	8 kg combipackage	06 01 008



KÖSTER VAP I® 2000

6.030

Vapor barrier for priming unsealed interior concrete floors, e.g. against osmotic action under vapor tight flooring. Fields of application: under epoxy, polyurethane or vapor tight flooring e.g. in gymns, industrial halls or sales rooms. KÖSTER VAP I® 2000 is a 2-component, low viscous, solvent-free, transparent special resin.



Consumption	Packaging	Article no.
approx. 0.8 – 1.0 kg / m ² (0.4 – 0.5 kg / m ² per coating)	25 kg combipackage	06 03 025



KÖSTER VAP I® 06

6.031

Ideal and necessary for priming cured KÖSTER VAP I® Systems for the subsequent installation of all cementitious self-leveling underlayments. KÖSTER VAP I® 06 Primer is a unique, water based, single component material for priming absorbent and non-absorbent substrates. Suitable as a primer under terrazzo, marble, and ceramic tiles.



Consumption	Packaging	Article no.
	9.5 kg combipackage	06 03 109



KÖSTER VAP I® 2000 FS

6.033

Fast setting vapor barrier. Specially designed for use as a negative side, fluid applied vapor barrier. The material reduces Moisture Vapor Emission Rates (MVER) and alkalinity to levels acceptable for most resilient and epoxy flooring systems.

KÖSTER VAP I® 2000 FS (Fast Set) has a perm rating of 0.05 (ASTM E96 wet) and will cure in as little as 4 hours (depending on ambient conditions) and allows for fast tracking of flooring projects.

This unique formulation is a 100% solids, 2-component, transparent, low viscous, solvent free (low VOC) special resin. Suitable for use with sheet vinyl, VCT, rubber, wood, ceramic, sports, solid backed carpeting, epoxy, ESD and almost all other types of finished flooring.

Consumption	Packaging	Article no.
approx. 0.8 – 1.0 kg/m ² (0.4 – 0.5 kg/m ² per coating)	25 kg combipackage	06 03 325



KÖSTER VAP I® 2000 UFS

6.034

Ultra fast setting vapor barrier. Specially designed for use as a negative side, fluid applied vapor barrier. The material reduces Moisture Vapor Emission Rates (MVER) and alkalinity to levels acceptable for most resilient and epoxy flooring systems.

KÖSTER VAP I® 2000 UFS has a perm rating of 0.08 (ASTM E96 wet) and all the features and benefits of KÖSTER VAP I® 2000 and KÖSTER VAP I® 2000 FS but is formulated to cure in as little as 2 hours depending on ambient temperature and humidity. This product is designed expressly for the rapid turn-around (very fast track) of such flooring installations as in retail stores, operating hospitals, schools and many other projects where elevated moisture and alkalinity are present and a rapid turnover of the flooring system is required.

This unique formulation is a 100% solids, 2-component, blue-tinted, low viscous, solvent free (low VOC) special resin. Suitable for use with sheet vinyl, VCT, rubber, wood, ceramic, sports, solid backed carpeting, epoxy, ESD and almost all other types of finished flooring.

Consumption	Packaging	Article no.
approx. 0.8 – 1.0 kg/m ² (0.4 – 0.5 kg/m ² per coating)	25 kg combipackage	06 03 425



KÖSTER VAP I® 2000 HS

6.036



Vapor barrier for hospitals and schools. Specially designed for use as a negative side, fluid applied vapor barrier. The material reduces Moisture Vapor Emission Rates (MVER) and alkalinity to levels acceptable for most resilient and epoxy flooring systems. KÖSTER VAP I® 2000 HS has a perm rating of 0.08 (ASTM E96 wet), all the features and benefits of KÖSTER VAP I® 2000 but is free of VOC (volatile organic compounds). This product is ideal for those projects that are environmentally very sensitive such as occupied hospitals and schools. This material may be applied to substrates that are high in moisture and alkalinity in these occupied facilities with no adverse effect to patients and school children, and will allow the repair or restoration of adjacent failed flooring systems without shutting the facility down. Normal cure time is approx. 12 hours depending on ambient temperature and humidity.

This unique formulation is a 100% solids, 2-component, low viscous, solvent free (no VOC) special resin. Suitable for use with sheet vinyl, VCT, rubber, wood, ceramic, sports, solid backed carpeting, epoxy, ESD and almost all other types of finished flooring.



Consumption	Packaging	Article no.
approx. 0.8 – 1.0 kg/m ² (0.4 – 0.5 kg/m ² per coating)	25 kg combipackage	06 03 625

KÖSTER VAP I® pH

6.037



Vapor barrier for low vapor drive. Specially designed for use as a negative side, fluid applied vapor barrier. The material is formulated for low vapor drive floors of under 10 pounds (ASTM F1869) or 80% Relative Humidity (RH: ASTM F2170) and to withstand a sustained pH of 14. KÖSTER VAP I® pH is an excellent solution to concrete floors that have Moisture Vapor Emission Rates (MVER) just beyond the acceptable threshold of epoxy and resilient flooring systems.

This unique formulation is a 2-component, low viscous, solvent free (low VOC) water-based primer system, which provides easy clean up with water and easy installation. Not intended for use under rubber, sheet vinyl or seamless sheet goods.



Consumption	Packaging	Article no.
approx. 0.8 – 1.0 kg/m ² (0.4 – 0.5 kg/m ² per coating)	25 kg combipackage	06 03 725



KÖSTER VAPI® ORS C

6.038

Oil resistant primer coating which is to be applied in conjunction with KÖSTER ORS D to coat concrete slabs contaminated with oil based hydrocarbons. KÖSTER ORS C is a 2-component, VOC compliant, low viscosity, high solids epoxy that cures in about 12 hours.

Consumption	Packaging	Article no.
approx. 0.6 – 0.8 kg/m ²	30 kg hobbock; A component 26.78 kg; B component 3.22 kg	06 03 830



KÖSTER VAPI® ORS D

6.039

Special cleaning detergent used in conjunction with KÖSTER ORS C to remove hydrocarbons such as oil, grease, fat, hydraulic fluid, etc. from concrete substrates.

Consumption	Packaging	Article no.
approx. 0.1 – 0.2 kg/m ²	9.8 kg jerrycan	06 03 909



KÖSTER LF-BM

6.06

Broadly applicable bonding agent with excellent adhesion to all mineral substrates. KÖSTER LF-BM is a 2-component, solvent-free, low viscous epoxy resin. Mechanically highly resistant, mixed with dried silica sand also suitable as a mortar. Fields of application include as a primer for mineral substrates, together with silica sand as mortar / putty / levelling compound, casting resin for the fixing of masonry anchors, metal posts, etc.

Consumption	Packaging	Article no.
approx. 0.3 – 0.5 kg/m ²	25 kg combipackage	06 06 025
as primer;	6 kg combipackage	06 06 006
as mortar additive	1 kg combipackage	06 06 001
according to fomulation		





KÖSTER LF-VL

6.07

KÖSTER LF-VL is a solvent free, decorative floor covering with high abrasion resistance which can be applied on screed or cement based floors. It is suitable for multi-function halls, business rooms, offices, production facilities and many other areas.

Consumption	Packaging	Article no.
2.6 kg/m ² (2 mm total layer thickness)	26.8 kg combipackage	06 07 126
	6.7 kg combipackage	06 07 106



KÖSTER CMC

6.080

Epoxy mortar with very good adhesion to all mineral substrates and to stainless steel. Solvent free. KÖSTER CMC can resist high mechanical and chemical stresses and is therefore used as a protective coating in heavy duty corrosion protection projects.

Consumption	Packaging	Article no.
4 kg/m ² (applied in two layers)	5.3 kg combipackage	06 08 005



KÖSTER CMC Primer

6.081

Transparent primer for the surface preparation of stainless steel substrates prior to the application of KÖSTER CMC.

Consumption	Packaging	Article no.
approx. 0.05 – 0.1 kg/m ²	10 l jerrycan	06 08 110

KÖSTER Corrosion Protection

6.083

KÖSTER Corrosion Protection is a solvent free, epoxy based protective coating with excellent adhesion to steel. It can be used as a surface protection in facilities which are exposed to elevated chemical and mechanical stresses such as agricultural plants, sewage treatment plants or tanks.

Consumption	Packaging	Article no.
approx. 1 kg/m ² total consumption (steel)	16.5 kg combipackage	06 08 316
	6 kg combipackage	





KÖSTER Bridge Coat

6.084

Low viscosity epoxy sealant for waterproofing bridge decks and other civil engineering structures. Due to the good heat resistance of the cured KÖSTER Bridge Coat, asphalt can be installed directly onto the fully cured coating. It is resistant to high mechanical stresses. Fields of application include waterproofing of civil engineering structures and corrosion protection of concrete exposed to moderate chemical stresses.

Consumption	Packaging	Article no.
approx. 0.2 kg/m ²	5.4 kg combipackage	06 08 405
total consumption	13.5 kg combipackage	06 08 413

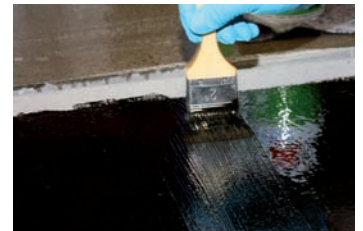


KÖSTER PUR-Bitumen

6.085

Crack bridging, flexible polyurethane based sealant for horizontal and vertical concrete substrates. KÖSTER PUR-Bitumen is waterproof and highly resistant against mechanical stresses, seawater, salt solutions, inorganic and organic acids and bases. Brush-, roll- and sprayable. Fields of application include crack bridging waterproofing of civil engineering structures, crack bridging corrosion protection for concrete exposed to moderate chemical stresses.

Consumption	Packaging	Article no.
approx. 0.2 – 0.25 kg/m ²	5.24 kg combipackage	06 08 505
per layer; total consumption max. 0.5 kg/m ²	13.1 kg combipackage	06 08 513



KÖSTER VE

6.082

KÖSTER VE is a vinyl ester mortar with very good adhesion to all mineral substrates and to stainless steel. It is perfectly suited for the protection of surfaces in facilities with high chemical and mechanical demands on the coatings such as agricultural concrete elements, waste treatment plants, and chimneys.

Consumption	Packaging	Article no.
approx. 4.5 kg/m ²	5.3 kg combipackage	06 08 605
layer thickness 1 mm		





KÖSTER KB-Pur® Gel

6.12

Water activated polyurethane gel which can be used for curtain and area injection as well as for retroactive waterproofing of dilatation joints. Depending on the amount of water added, a highly elastic waterproof mass or respectively foam hydro gel is formed. It does not promote corrosion and is solvent-free.

Fields of application for KÖSTER KB-Pur® Gel include retroactive external waterproofing of areas with ground contact (curtain injection), injections in highly porous, jointed and cracked building materials (area injection) as well as for the sealing of cavities, pipe couplings, pipe and cable penetration, and joints in masonry, concrete and soils.



Consumption	Packaging	Article no.
depending on the field of application	210 kg drum	06 12 210
	25 kg jerrycan	06 12 025
	2.5 kg jerrycan	06 12 002



KÖSTER KB-Pur® IN 1

6.13

Water activated hydrophobic PU injection foam. The material only reacts when it comes in contact with water and immediately forms a stiff, waterproof polyurethane foam. Volume expansion up to 30 times. Free of solvents and fillers, resistant to hydrolysis.

Fields of application: waterproofing water bearing cracks in concrete and masonry.



Consumption	Packaging	Article no.
approx. 0.1 kg / l void	236.5 kg combipackage	06 13 236
	27.5 kg combipackage	06 13 275
	5.5 kg combipackage	06 13 055
	1 kg can	06 13 001



KÖSTER KB-Pur® IN 2*

6.14

Elastic PU injection resin. For permanently waterproofing cracks and joints. It is designed to withstand continuous contraction and expansion and is therefore ideal for the repair of moving cracks. Also suitable for slightly damp cracks. Viscosity approx. 200 mPa.s.

Fields of application: In combination with KÖSTER KB-Pur® IN 1 for permanently an elastically sealing water bearing cracks and joints. Without pre-injection for the sealing of dry cracks, joints and voids. KÖSTER KB-Pur® IN 2 is used in cases where future movements of the building structure can not be excluded.

* KÖSTER KB-Pur IN 2 is also available as HT version, which is specially suitable for hot temperature (HT) climates.

Consumption	Packaging	Article no.
approx. 1.1 kg/l void	345 kg combipackage	06 14 345
	40 kg combipackage	06 14 040
	8 kg combipackage	06 14 008
	1 kg can	06 14 001



KÖSTER KB-Pur® 2 IN 1

6.145

Broadly applicable solvent-free PU injection resin for dry and water bearing cracks. The specialty: KÖSTER KB-Pur® 2 IN 1 forms an elastic foam when coming into contact with water which pushes the water out of the crack. If no water is present the material forms an elastic solid body resin and permanently seals the crack.

Fields of application: Waterproofing of water bearing and permanently sealing dry cracks in masonry and concrete.

Consumption	Packaging	Article no.
approx. 0.1 kg/l void (foam),	430 kg combipackage	06 14 543
	25 kg combipackage	06 14 525
approx. 1.1 kg/l void (solid resin)	5 kg combipackage	06 14 505
	1 kg can	06 14 501
		06 14 510





KÖSTER KB-Pur® IN 3

6.15

Viscoplastic 2-component PU injection resin for the restoration of structural strength in cracks and joints. Solvent free, low viscosity. Compressive strength >80 N/mm², tensile strength 14 N/mm².

Fields of application: In combination with KÖSTER KB-Pur® IN 1 for the permanent sealing and bridging (where structural strength is required) of water bearing cracks and joints in concrete. It can be used without pre-injection for closing dry cracks and joints. KÖSTER KB-Pur® IN 3 is used in cases where crack flanks or unequal structural members have to be bonded together and acquire structural strength.

* KÖSTER KB-Pur IN 3 is also available as HT version, which is specially suitable for hot temperature (HT) climates.

Consumption	Packaging	Article no.
approx. 1.1 kg/l void	345 kg combipackage	06 15 345
	8 kg combipackage	06 15 008
	1 kg combipackage	06 15 001

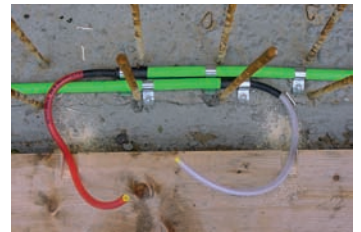


KÖSTER KB-Pur® IN 5

6.17

Very low viscosity, 2-component elastic PU injection resin, specially suitable for hose injection and injection of the KÖSTER Water Stop Board IN. For permanently and elastically sealing dry, moist and water bearing cracks and joints in concrete. Very low viscosity, (at 25 °C approx. 70 mPa · s).

Consumption	Packaging	Article no.
approx. 1.1 kg/l void	410 kg combipackage	06 17 410
	10 kg combipackage	06 17 010





KÖSTER KB-Pur® IN 7

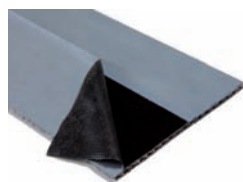
6.19

Viscoplastic, water activated PU injection foam. Reacts only when in contact with water and spontaneously forms a compact, viscoplastic, waterproof polyurethane foam which is able to follow crack movements. Volume expansion up to 30 times. Free of solvents and fillers.

Fields of application: Single-step waterproofing of water bearing cracks without the subsequent injection of a solid body resin.



Consumption	Packaging	Article no.
approx. 0.1 kg / l void	236.5 kg combipackage	06 19 236
	27.5 kg combipackage	06 19 275
	5.5 kg combipackage	06 19 055
	1 kg can	06 19 001



KÖSTER Water Stop Board IN

6.25

For secure waterproofing of concrete construction joints. The KÖSTER Water Stop Board IN is coated with a cold self adhesive special coating on the outside so that a permanent leak proof bond is achieved to the fresh concrete. The inside of the board consists of an open honeycomb structure, which in the case of leakage can be used as an injection conduit.

Measurements	Packaging	Article no.
150 mm x 2500 mm – t: 5 mm	40 pieces	06 25 001



7 *Elastic waterproofing, special coatings, primers*

This product group offers various materials which have one thing in common: they are enhanced with special polymeric materials.

Synthetic coatings are used to restore the functionality of roof waterproofings (combined with visual advantages) as well as for highly flexible waterproofing underneath ceramic tiles etc. in wet rooms.

Our primers always offer the base for a secure functionality of the waterproofing, no matter what kind of waterproofing is desired. They strengthen the surface, bind dust on the substrate and ensure an excellent bonding of the waterproofing which will be applied. Regardless of the environmental conditions (temperature, moisture etc.) – we have products that fulfill your requirements in our product line.

7



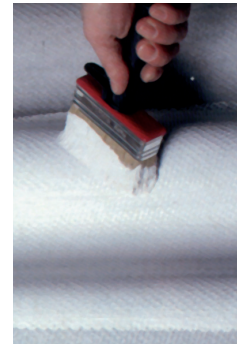
KÖSTER Dachflex®

7.06

Liquid applied, 1 component synthetic waterproofing for sloped roofs. KÖSTER Dachflex® is a foil like coating, waterproof, water vapor permeable and can be colored. The material is highly elastic, quick drying, pasty, solvent-free and is also suitable for the repair of leaky flat roofs.

* KÖSTER Dachflex® is also available as HT version, which is specially suitable for hot temperature (HT) climates.

Consumption	Packaging	Article no.
approx. 0.75 – 1 kg/m ² (per coating)	20 kg bucket	07 06 020



KÖSTER BD 50

7.090

Ready to use, seamless waterproofing for damp and wet rooms with the european technical approval ETAG 022. Highly elastic, waterproof acrylic based material. Fields of application include under tiles in showers, bathrooms, kitchens, car washes, etc.

Consumption	Packaging	Article no.
approx. 1 kg/m ²	20 kg bucket	07 09 020



KÖSTER BD 50 Primer

7.091

Special primer for the KÖSTER BD System on dry or absorbent substrates. Penetrates deeply into the substrate creating an excellent bonding bridge for the subsequent waterproofing.

Consumption	Packaging	Article no.
approx. 0.05 – 0.1 kg/m ² depending on the substrate	5 kg jerrycan	07 09 105





KÖSTER Anti-Soot

7.15

KÖSTER Anti-Soot is a permanent, deeply penetrating primer to prevent and combat sooting in chimneys. Sootings in the substrate will be enclosed and damages to subsequent plasters are avoided. The primer is resistant to negative side moisture and to a large extent steam-tight.

Consumption	Packaging	Article no.
approx. 0.5 – 0.8 kg/m ² , depending on the absorbency of the substrate	1 kg bottle	07 15 001



KÖSTER Z1

7.155

KÖSTER Z 1 is a polymer modified special slurry for the mineral corrosion protection of steel reinforcement.

Consumption	Packaging	Article no.
approx. 800 g / m ² (per coating)	1 kg bucket	07 15 501



KÖSTER Z2

7.156

KÖSTER Z2 is a polymer modified special slurry for the mineral corrosion protection of steel reinforcement. KÖSTER Z2 is pigmented red and allows a visual control of the application.

Consumption	Packaging	Article no.
approx. 800 g / m ² (per coating)	1 kg bucket	07 15 601



KÖSTER BE-Rainproof

7.23

Protects fresh bitumen coatings against rain. KÖSTER BE Rainproof is a liquid accelerator forming a water-repellent film on bitumen coatings.

Consumption	Packaging	Article no.
approx. 0.2 kg/m ²	5 kg jerrycan	07 23 005





KÖSTER **KSK Primer SP**

7.30

For the application of KÖSTER KSK waterproofing membranes at temperatures below 5 °C. Strongly adhesive, fast curing, synthetic resin based, contains solvents.

Consumption	Packaging	Article no.
approx. 0.1 l/m ² ; approx. 0.2 l/m ²	5 l jerrycan	07 30 005



KÖSTER **KSK Primer BL**

7.32

Solvent-free primer for the application of KÖSTER KSK waterproofing membranes above 5 °C. Strongly adhesive, based on emulsified bitumen with a high synthetic content.

Consumption	Packaging	Article no.
approx. 0.25 – 0.4 kg/m ²	15 kg bucket	07 32 015





8 *Joint sealants, joint tapes, sealing putty*

Movements in construction members must be compensated through construction joints, in walls as well as floors. The materials used in these joints must be able to withstand compression, tension and shear forces.

In order to resist these stresses, the most important characteristic of these materials is that they are ductile. Many other product characteristics are required – depending on the field of application – and these are also fulfilled by the KÖSTER products.

Sealing pastes are used e.g. when pipe and cable penetrations through walls have to be waterproofed. With the permanently plastic sealing paste KÖSTER KB Flex 200, waterproofing can be carried out even in case of flowing, pressurized water. An essential advantage also lies in the adhesion to almost all substrates.

8



KÖSTER Joint Sealant FS-V

8.031

Formstable joint sealant with excellent resistance against mechanical stresses and a high resistance against water, sea water, salt solutions, petroleum and mineral oils. It is rot and root resistant. The rubber-elastic material based on polysulfides is 2-component, elastic and stable.

Fields of application include permanently elastic waterproofing of horizontal joints in below grade construction such as foundations, sewage treatment plants, garages, tunnels, etc.

Consumption	Packaging	Article no.
approx. 1.6 kg / l void	4 kg can (Comp. B inside)	08 03 104



KÖSTER Joint Sealant FS-H

8.032

Self Levelling joint sealant with excellent resistance against mechanical stresses and a high resistance against water, sea water, salt solutions, petroleum and mineral oils. It is rot and root resistant. The rubbery-elastic material based on polysulfides is 2-component, elastic and pourable.

Fields of application include permanently elastic waterproofing of horizontal joints in below grade construction such as foundations, sewage treatment plants, garages, tunnels, etc.

Consumption	Packaging	Article no.
approx. 1.6 kg / l void	4 kg combipackage	08 03 204



KÖSTER FS-Primer

8.039

Bonding agent and strengthener for the flanks of joints. Used as a primer for the application of KÖSTER Joint Sealant FS-H and FS-V. Fast drying, low viscosity, transparent, solvent-based, 1-component.

Consumption	Packaging	Article no.
approx. 10 – 20 ml / m	250 ml can	08 03 900





KÖSTER KB-Flex 200

8.05

Sealant for pipe and cable penetrations, even in the case of pressurized water. KÖSTER KB-Flex 200 is a 1-component, permanently plastic material and can therefore be directly applied from the cartridge – even in the case of flowing water. Our demonstration video shows a live application period.



Consumption	Packaging	Article no.
approx. 1.6 kg/l void	850 g cartridge = 20 pieces / carton	08 05 000



KÖSTER PU Joint Sealant

8.06

Pourable PU joint sealant for sealing predetermined cracking joints and grouting pockets of pre-cast concrete elements. When fully cured, KÖSTER PU Joint Sealant provides an elastic and flexible seal which is characterized by high mechanical strength, good resistance to water, sea water, salt solutions, inorganic and organic acids as well as alkalis.



Consumption	Packaging	Article no.
approx. 1.0 kg/l void	5.65 kg combipackage Comp. A 5 kg jerrycan Comp. B 0.65 kg can	08 06 005



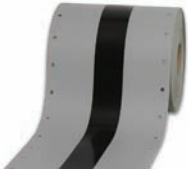
KÖSTER Joint Tape 20

8.10

Thermoplastic tape for sealing expansion and dilatation joints (up to 12 cm) and broad, irregular cracks. KÖSTER Joint Tape 20 is UV resistant, highly elastic and can withstand extreme movements in the joint.



Measurements	Packaging	Article no.
t: 1 mm, w: 20 cm, l: 20 m	20 m roll	08 10 020



KÖSTER Joint Tape 30

8.11

Thermoplastic tape for sealing expansion and dilatation joints (up to 20 cm) and broad, irregular cracks. KÖSTER Joint Tape 30 is UV resistant, highly elastic and can withstand extreme movements in the joint.

Measurements	Packaging	Article no.
t: 1 mm, w: 30 cm, l: 20 m	20 m roll	08 11 020



KÖSTER KB-Pox® Adhesive

8.12

High performance adhesive specially designed for fastening KÖSTER Joint Tapes to mineral, wooden and metal substrates. KÖSTER KB-Pox® Adhesive develops a high adhesive strength to concrete, mortar, metal, wood and many other building materials. It develops high early strength. Vertical and overhead application is possible. Two types of the material, normal and rapid curing, are available.

KB-Pox® Adhesive is a 2 component, epoxy based, high performance adhesive. The material is thixotropic, has a paste-like consistency, contains no solvents and has a 100 % solids content.

Consumption	Packaging	Article no.
for Joint Tape 20: approx. 2 kg/m, for Joint Tape 30: approx. 2 – 2.5 kg/m	5 kg combipackage	08 12 005





9 Maintenance and cleaning agents, thinners

When using waterproofing systems with different material bases, different cleaning agents are needed. Every tool should be cleaned after use.

Each KÖSTER waterproofing material, be it of bitumen, polyurethane, epoxy or mineral based, has its corresponding cleaner.





KÖSTER *Bitumen Remover* 9.03

Cleaning agent for removing dried bitumen. Solvent based.

Consumption	Packaging	Article no.
<i>as needed</i>	<i>10 l jerrycan</i>	<i>09 03 010</i>



KÖSTER *KB-Pox® Cleaner* 9.08

Cleaning agent for the removal of fresh epoxy resin. Solvent based.

Consumption	Packaging	Article no.
<i>as needed</i>	<i>10 l jerrycan</i>	<i>09 08 010</i>



KÖSTER *KB-Pur® Cleaner* 9.10

Cleaning agent for the removal of fresh polyurethane. Suitable for cleaning tools, e.g. the KÖSTER 1C Injection Pump after injecting KÖSTER KB-Pur® Injection Resins. Based on special solvents.

Consumption	Packaging	Article no.
<i>as needed</i>	<i>10 l jerrycan</i>	<i>09 10 010</i>





10 Synthetic roof and waterproofing membranes, tapes

Waterproofing buildings with sheet membranes is becoming more and more important in the field of preservation of structures. The main advantages are the uniform layer thickness and the immediate waterproofing effect.

Our cold self-adhesive waterproofing membranes KÖSTER KSK provide very good adhesion and an extreme elasticity. The product range contains membranes for different requirements with various top laminates, from the highly tear-resistant polyethylene foil to vapor-tight aluminium foil. The necessary equipment for fixing the membranes and for creating fillets and connections is available as well.

Because of their waterproofing characteristics, the KÖSTER KSK membranes are not only suitable for waterproofing, but also for sealing against wind in window connections and joints in façades, as well as against radon from the ground.

10



KÖSTER
Fix-Tape 10 AW

10.3111

Cold self-adhesive rubber/bitumen waterproofing tape for application in façade areas and to windproof window connections.

Highly flexible, immediately waterproof and resistant to driving rain. Crack bridging and suitable for application on cold substrates. With a double laminated highly tear-resistant polyethylene foil on top.

Measurements	Packaging	Article no.
t: 1 mm, w: 150 mm	20 m roll	10 31 113
t: 1 mm, w: 250 mm	20 m roll	10 31 115
t: 1 mm, w: 350 mm	20 m roll	10 31 117



KÖSTER
KSK AW 15

10.3112

Cold applied, self adhesive rubber / bitumen waterproofing membrane for waterproofing according to DIN 18 195. Suitable for application down to -10°C . Fields of application include basements, foundation plates, balconies and terraces.

KÖSTER KSK AW 15 can be used inside and outside and does not require hot air or propane gas for its application. The membrane can be applied to all substrates and is highly flexible, immediately waterproof and resistant to driving rain. It is crack bridging and suitable for application on cold substrates. Radonproof. With a double laminated highly tear-resistant polyethylene foil on top.

Measurements	Packaging	Article no.
t: 1.5 mm, w: 1.05 m, l: 20 m	21 m ² roll	10 31 121



KÖSTER
KSK SY 15

10.32

Cold applied self-adhesive rubber / bitumen waterproofing membrane according to DIN 18 195. Suitable for application from $+5^{\circ}\text{C}$ to $+30^{\circ}\text{C}$. Fields of application include basements, foundation plates, balconies, terraces or on polystyrene elements.

KÖSTER KSK SY 15 membranes do not require hot air or propane gas welding for application. It is highly flexible, immediately waterproof, crack bridging and resistant to driving rain. Suitable for application even on cold substrates. Radonproof. With a double laminated, highly tear-resistant polyethylene foil on top.

Measurements	Packaging	Article no.
t: 1.5 mm, w: 1.05 m, l: 20 m	21 m ² roll	10 32 121





KÖSTER
Fix-Tape 10 ALU

10.3311

Self-adhesive sealing tape for the waterproofing of areas such as wall/floor junctions, wall and roof penetrations or for the repair of leaking gutters and downspouts.

KÖSTER Fix-Tape 10 ALU is 1 mm thick, rubber/bitumen based with an aluminium foil laminated on the top-side.

Measurements	Packaging	Article no.
t: 1 mm, w: 50 mm	10 m roll	10 33 111
t: 1 mm, w: 100 mm	10 m roll	10 33 112
t: 1 mm, w: 150 mm	10 m roll	10 33 113



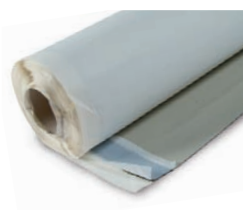
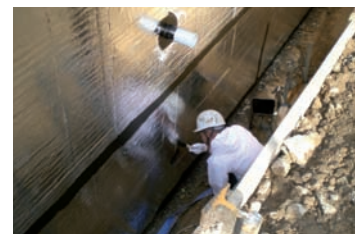
KÖSTER
KSK ALU 15

10.3319

Cold applied self-adhesive rubber/bitumen sealing membrane for the waterproofing of small, weather exposed areas such as roofs, garages or balconies. Applicable between +12 °C and +35 °C.

KÖSTER KSK ALU 15 is laminated with a reinforced aluminium foil on the top side. It does not require hot air or propane gas welding for its application, is vapor tight, waterproof, weather and UV resistant.

Measurements	Packaging	Article no.
t: 1.5 mm, w: 0.96 m, l: 10 m	9.6 m ² roll	10 33 196



KÖSTER
KSK ALU Strong

10.34

Cold applied self-adhesive synthetic/bitumen sealing membrane for the waterproofing of small, weather exposed roofs, garages and car ports. Applicable between +12 °C and +35 °C. KÖSTER KSK ALU Strong does not require hot air or propane gas welding for its application. It is laminated with a coarse grain embossed, UV resistant aluminum foil which is coated with a grey protective finish on the top side. For additional reinforcement a highly tear resistant fabric is embedded. Placement of a gravel layer on top of the membrane after installation is not required.

Measurements	Packaging	Article no.
t: 1.7 mm, w: 1.05 m, l: 10 m	10.5 m ² roll	10 34 110





KÖSTER
Fixband 15 DS

10.3611

Double sided cold applied self-adhesive tape, e. g. for the waterproofing of wall / roof penetrations, connections or the bonding of insulation materials, barriers, etc. 1.5 mm thick, bitumen / rubber based.

Measurements	Packaging	Article no.
t: 1.5 mm, w: 15 mm	20 m roll	10 36 111
t: 1.5 mm, w: 40 mm	20 m roll	10 36 114



KÖSTER
KSK DS 15

10.3612

Double sided cold applied self-adhesive synthetic / bitumen sealing membrane for the creation of custom detail waterproofing solution.

The KÖSTER KSK DS 15 membrane does not require hot air or propane gas welding for its application. Due to its great flexibility it allows simple application even to difficult details.

Measurements	Packaging	Article no.
t: 1.5 mm, w: 1.05 m, l: 20 m	21 m ² roll	10 36 121



KÖSTER
Special Joint Tape

10.37

Cold applied self-adhesive joint tape for the integration into area waterproofing made of bitumen thick film sealants and KÖSTER KSK waterproofing membranes. Fields of application include waterproofing and permanent bridging of dilatation-, extension- and building separation-joints.

KÖSTER Special Joint Tape has a highly tear resistant mesh, resists the highest stresses and is immediately waterproof against pressurized water. The membrane is laminated with a 5 cm wide strip of aluminium foil centered on the side of the membrane which faces away from the building.

Measurements	Packaging	Article no.
t: 2 mm, w: 300 mm	10 m roll	10 37 010





KÖSTER Butyl Fix-Tape Fleece

10.38

Cold applied self-adhesive tape for sealing the upper edges of KÖSTER KSK sealing membranes. KÖSTER Butyl Fix-Tape Fleece can be plastered over.

KÖSTER Butyl Fix-Tape Fleece 1.5 mm thick with a separating backing paper on the bottom side. The material is highly tear resistant, immediately waterproof and can be plastered over due to its fleece-laminated upper side. Priming before application of the KÖSTER Butyl Fix-Tape Fleece is not necessary.

Measurements	Packaging	Article no.
t: 1.5 mm, w: 150 mm	10 m roll	10 38 010



KÖSTER KSK Triangular Ribbon

10.39

Ready to use, cold applied self adhesive fillet for waterproofing with KÖSTER thick film sealants or KÖSTER KSK membranes. Also suitable for waterproofing connections, pipe-penetrations or support areas such as shaft elements and pre-fabricated concrete parts. Can be applied at temperatures down to -10°C .

Measurements	Packaging	Article no.
l: 1.05 m, Length of flank: approx. 30 mm	25 pieces / carton	10 39 001





11 Accessories

Our range of accessories help to have all necessary equipment available on site.

This includes reinforcing materials such as reinforcing mesh or flex fabric which provide crack bridging properties within different waterproofing products. Especially in areas at high risk of cracking, reinforcement is a necessity.

According to DIN 18 195 it is also required to protect the waterproofing itself. The KÖSTER SD Protection and Drainage Sheet functions as an additional drainage which leads the water away from the building.

Furthermore you will find auxiliary materials in this product group like capillary rods which ensure an even distribution of the injection material during pressureless horizontal injection.

11



KÖSTER Glass Fiber Mesh

11.01

Highly tear resistant mesh for the reinforcement of waterproofing layers especially in the case of pressurized water, areas in danger of cracking as well as connections, wall / floor junctions and fillets. Resistant to dislocation, alkalis, plasticizer-free.

Particularly suitable for: KÖSTER KBE Liquid Film, KÖSTER Bikuthan® 1C and KÖSTER Bikuthan® 2C, KÖSTER Deuxan® 2C and KÖSTER Deuxan® Professional, KÖSTER BD 50 and KÖSTER Elastic Roof.

Measurements	Packaging	Article no.
w: 33 cm, l: 100 m	100 m roll	11 01 100
w: 100 cm, l: 100 m	100 m ² roll	11 01 101

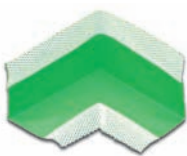


KÖSTER BD Flex Tape K 120

11.030

Joint sealing tape for the secure bridging of joints, wall / floor junctions and in areas prone to cracking. Specially designed for the KÖSTER BD System. An elastomer strip with protruding mesh for the secure integration into the area waterproofing. The KÖSTER BD System is an ETAG 022 certified system for the waterproofing of wetrooms e.g. under ceramic tile.

Measurements	Packaging	Article no.
t: 0.6 mm, b: 120 mm	10 m roll	11 03 010
	50 m roll	11 03 050



KÖSTER BD Inside Corner

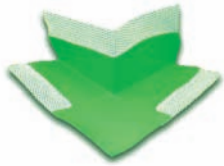
11.032

Ready to use, elastic moulded part for the waterproofing of inside corners in the KÖSTER BD System. Made of NBR-rubber with protruding mesh for the secure integration into the area waterproofing.

The KÖSTER BD System is an ETAG 022 certified system for the waterproofing of wetrooms e.g. under ceramic tile.

Measurements	Packaging	Article no.
Length of legs: 60 mm t: 0.6 mm	20 piece	11 03 201





KÖSTER BD Outside Corner

11.033

Ready to use, elastic molded part for the waterproofing of outside corners in the KÖSTER BD System. Made of NBR-rubber with protruding mesh for the secure integration into the area waterproofing.

The KÖSTER BD System is an ETAG 022 certified system for the waterproofing of wetrooms e.g. under ceramic tile.

Measurements	Packaging	Article no.
Length of legs: 60 mm t: 0.6 mm	20 piece	11 03 301



KÖSTER BD Wall Sleeve

11.034

Ready to use, elastic molded part for the waterproofing of pipe penetrations in the KÖSTER BD System. Made of NBR-rubber with protruding mesh for the secure integration into the area waterproofing.

The KÖSTER BD System is an ETAG 022 certified system for the waterproofing of wetrooms e.g. under ceramic tile.

Measurements	Packaging	Article no.
120 x 120 mm t: 0.6 mm	20 pieces	11 03 401



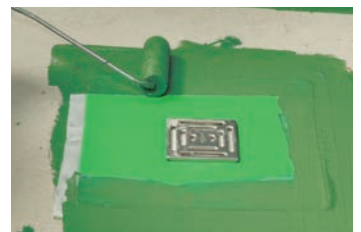
KÖSTER BD Floor Sleeve

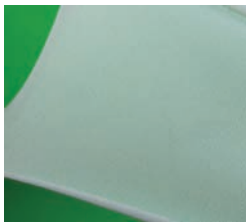
11.035

Ready to use, elastic molded part for the waterproofing of floor drains in the KÖSTER BD System. Made of NBR-rubber with protruding mesh for the secure integration into the area waterproofing.

The KÖSTER BD System is an ETAG 022 certified system for the waterproofing of wetrooms e.g. under ceramic tile.

Measurements	Packaging	Article no.
350 x 350 mm t: 0.6 mm	10 pieces	11 03 501





KÖSTER Flex Fabric

11.05

Highly flexible, tear-resistant fabric for the reinforcement of thin-layer waterproofing, especially in areas prone to cracking, penetrations or wall/floor connections. Finely woven, synthetic.

Particularly suitable for: KÖSTER Dachflex®, KÖSTER BD 50 and KÖSTER NB Elastic Grey, KÖSTER NB Elastic White, KÖSTER NB Elastic 1C White.

Measurements	Packaging	Article no.
t: 100 cm, l: 50 m	50 m ² roll	11 05 050



KÖSTER Capillary Rods

11.06

For pressureless and material saving installation of horizontal barriers against rising damp (wicking moisture) with the KÖSTER Suction Angle System.

The patented KÖSTER Capillary Rod releases the injection liquid evenly and directly to the masonry, effectively bridging cracks and voids. No material is wasted in cavities.

Measurements	Packaging	Article no.
l: 45 cm	50 pieces	11 06 301
l: 90 cm	50 pieces	11 06 401



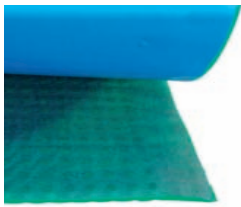
KÖSTER Roofing Nails

11.28

For mechanically fixing cold applied self-adhesive waterproofing membranes.

Measurements	Packaging	Article no.
3.1 x 50 mm	450 pieces/package	11 28 100





KÖSTER
Protection and Drainage
Sheet 3-400

11.40

Green HD-PE based notched protection board which combines 3 functions in one product: (1) mechanical protection of the waterproofing layer (e.g. when backfilling the construction pit) according to DIN 18 195, (2) decoupling of the waterproofing layer from any ground movement, (3) the hollow core leads seepage and backwater safely to the drainage.

Measurements	Packaging	Article no.
w: 200 cm, l: 15 m	30 m ² roll	11 40 030



KÖSTER
SD Edge profile

11.47

Profile for protection and drainage sheets. Prevents the penetration of moisture into the upper edge of the sheets. Color: black.

Measurements	Packaging	Article no.
l: 2.00 m, w: 82 mm; t: 12 mm; 11 holes	piece	11 47 001



KÖSTER
SD Fixing Elements

11.49

Elements for the fixing of protection and drainage sheets.

Packaging	Article no.
100 pieces/package	11 49 001





12 *Machines, injection packers, tools, aids*

All waterproofing systems are only as good as their application or respectively their installation. In many cases, professional tools are required for this. The KÖSTER BAUCHEMIE AG provides machines and tools which aid in their effective and efficient application – from the suction angle for horizontal barriers to the gel-pump for injections.

Our machines for pressurized injection of injection resins are available for low pressure as well as for high pressure injections – and they are always economic for a cost-efficient application according to the motto “time is money”.

12



KÖSTER Drill Stirrer

12.011

Special stirrer for mixing 2-component polymer modified bitumen thick film sealants, e.g. KÖSTER Deuxan® 2C and KÖSTER Bikuthan® 2C.

Packaging	Article no.
piece	12 01 101



KÖSTER Brush

12.012/3

Special brush for the application of liquid materials, e.g. KÖSTER Dachflex®, KÖSTER KD 3, etc.

Packaging	Article no.
piece	12 01 201



Special brush with waved bristles for the application of materials with a paste-like consistency, e.g. KÖSTER NB Sealing Slurries, KÖSTER KD 1, etc.

Packaging	Article no.
piece	12 01 301



KÖSTER Spiked roller

12.014

For de-airing floor coatings.

Measurements	Packaging	Article no.
Width 50 cm	piece	12 01 401



KÖSTER Gauging rake

12.015

For the even installation of material such as KÖSTER Self Levelling Floor 15 in the desired layer thickness of 0 – 30 mm. Continuously adjustable, changeable steel sheet and gliding skids made of hardened steel.

Measurements	Packaging	Article no.
Width 80 cm	piece	12 01 501



KÖSTER Rubber Gloves

12.02

Robust, smooth gloves for applying KÖSTER waterproofing slurries.

Measurements	Packaging	Article no.
Size 9/10	pair	12 02 001



KÖSTER Suction Angle

12.03

Plastic angle for the pressureless and material saving installation of horizontal barriers against rising damp (wicking moisture) with the KÖSTER Suction Angle System. Re-usable.

Packaging	Article no.
28 pieces / bag	12 03 087



KÖSTER Impact Packer and attachments 12.05

Plastic packer with cone-head fitting and non-return valve for low-pressure resin injection.

Measurements	Packaging	Article no.
12 x 70 mm	500 pieces	12 05 001



Plastic packer with non-return valve for the low-pressure injection of resins and gel.

Measurements	Packaging	Article no.
18 x 110 mm	500 pieces	12 05 011



Plastic packer with cap for low-pressure grout injection.

Measurements	Packaging	Article no.
18 x 110 mm	500 pieces	12 05 021

Drive in aid for Impact Packer

Plastic cylinder for installing impact packers.

Packaging	Article no.
Drive in aid for Impact Packer 12 piece	12 05 071

Article no.
Drive in aid for Impact Packer 18 piece
12 05 081





Adapter for injecting KÖSTER Impact Packers 18 and KÖSTER Impact Packers 18 Plus

Packaging	Article no.
piece	12 05 091



KÖSTER **Packer**

12.0610

with firmly mounted cone-head fitting for pressure injection, galvanized.

Measurements	Packaging	Article no.
10 mm x 85 mm	100 pieces	12 06 102
10 mm x 115 mm	100 pieces	12 06 103
16 mm x 85 mm	100 pieces	12 06 162
16 mm x 115 mm	100 pieces	12 06 163

Special designs on request.



KÖSTER **Superpacker**

12.0613

The KÖSTER Superpacker is particularly suitable for pressure injection work.

The KÖSTER Superpacker provides a very high contact pressure to the borehole due to the cone-shaped center of the tightening mechanism. Four fins and two ridges on the rubber gasket prevent rotation during tightening and facilitate the optimal fixation of the packer in the borehole. It has a firmly mounted cone-head fitting for pressure injection and is galvanized.

Optional: All packers can also be delivered with loosely mounted cone-head fittings or pan-head fittings.

Measurements	Packaging	Article no.
13 mm x 85 mm	100 pieces	12 06 132
13 mm x 115 mm	100 pieces	12 06 133
10 mm x 85 mm	100 pieces	12 06 102
10 mm x 115 mm	100 pieces	12 06 103

**KÖSTER****One-Day-Site Packer****12.065**

The KÖSTER ONE-DAY-SITE Packer allows injection work to be completed in one day.

The screw packer for pressure injection has a firmly mounted cone-head fitting and non-return valve. Therefore, immediately after injecting, that part of the port which protrudes from the wall can be unscrewed and removed. The central part of the port stays in the wall sealing the borehole so that no injection material can flow out of the borehole even under high pressure. The borehole can then be closed immediately after injection. Optional: All packers can also be delivered with loosely mounted cone-head fittings or pan-head fittings.

Measurements	Packaging	Article no.
13 mm x 90 mm	100 pieces	12 06 532
13 mm x 120 mm	100 pieces	12 06 533

**KÖSTER****Injection Lance****12.067**

Injection lance with pan-head fitting for gel injections.

Measurements	Packaging	Article no.
19 mm x 150 mm	50 pieces	12 06 793
19 mm x 210 mm	50 pieces	12 06 794
19 mm x 310 mm	25 pieces	12 06 795
19 mm x 410 mm	25 pieces	12 06 796
19 mm x 510 mm	25 pieces	12 06 797

Special designs on request.

**KÖSTER****Distributor Lance****12.068**

Injection lance with pan-head fitting for gel curtain injections and a guide bar for the lateral distribution of the injection material. German patent, European patent.

Measurements	Packaging	Article no.
19 mm x 310 mm	25 pieces	12 06 895
19 mm x 410 mm	25 pieces	12 06 896
19 mm x 510 mm	25 pieces	12 06 897

Special designs on request.



2C injection pump with continuously adjustable mixing ratio (gel : water).

	Packaging	Article no.
	piece	12 07 101



Water hose

Length	Packaging	Article no.
5 m	piece	12 07 102



Gel hose

Length	Packaging	Article no.
5 m	piece	12 07 103



Manometer

	Packaging	Article no.
	piece	12 07 104



Mix head

	Packaging	Article no.
	piece	12 07 105



Injection whip

Length	Packaging	Article no.
250 mm	piece	12 07 106



Slide Coupling
for pan-head fitting

	Packaging	Article no.
	piece	12 07 107



Swivel Joint

Connection between injection whip and slide coupling. Length 30 mm

	Packaging	Article no.
	piece	12 07 108

KÖSTER
1C-Injection Pump and accessories

12.072



Electrical 1C injection pump for injecting cracks and voids. It is suitable for the injection of all KÖSTER KB-Pur® materials (foams and resins). Operating pressure can be adjusted from 0 – 200 bar. The maximum delivery rate is approx. 2.2 l/min.

	Packaging	Article no.
	piece	12 07 201



HD Injection Hose

Length	Packaging	Article no.
5 m	piece	12 07 202



Ball Valve
 with grip head for the KÖSTER 1C Injection Pump.

	Packaging	Article no.
	piece	12 07 203



Manometer

	Packaging	Article no.
	piece	12 07 204



Material Hopper
 6l material hopper with sieve

	Packaging	Article no.
	piece	12 07 205



Sieve
 for the material hopper

	Packaging	Article no.
	piece	12 07 206



KÜSTER
Variojet

12.073

Electrical spiral pump (400 V) for the pumping and spraying of plasters and mortars. Capacity: approx. 0.2 to 1.2 m³/h (spiral and material dependent), feed distance: up to approx. 40 m (material dependent).

Packaging	Article no.
piece	12 07 301



KÜSTER
Loka Handpump

12.074

Manual membrane pump for the pumping and injection of grouts.

Packaging	Article no.
piece	12 07 401

KÜSTER
Hand Pump

12.075

For small injection projects or areas which are difficult to access. Operating pressure 10 bar max., output approx. 2 cm³ per pass.

without Manometer

Packaging	Article no.
piece	12 07 501

with Manometer

Packaging	Article no.
piece	12 07 502

Injection Whip

Measurements	Packaging	Article no.
300 mm threaded connection M 10 outside	piece	12 07 503
500 mm threaded connection M 10 outside	piece	12 07 504

Grip Head

with 4 jaws for cone-head fittings.

Packaging	Article no.
piece	12 07 505





KÖSTER
Pressure Port

12.076

Allows for the injection of cracks to be carried out without prior drilling or the fixation of adhesive packers. The KÖSTER Pressure Port is particularly suitable for large or aesthetic applications such as in parking decks. The packer is pressed onto on the construction member using a tripod or a forklift. Subsequent injections are possible at any time.

Packaging	Article no.
piece	12 07 601



KÖSTER
Foot pump

12.077

Manual membrane pump for pumping and injecting liquid products.

Packaging	Article no.
piece	12 07 701



KÖSTER
Special Caulking Gun and accessories

12.08

Cartridge gun for the application of KÖSTER KB-Flex 200.

Packaging	Article no.
piece	12 08 101



Connecting Hose and Nozzle

Accessories for the application of KÖSTER KB-Flex 200 Sealing Paste with a flexible hose and 45° bend.

Packaging	Article no.
set	12 08 201



Foam Tape

For filling voids around cable and pathway penetrations during the application of the KÖSTER KB-Flex 200 System.

Packaging	Article no.
piece	12 08 301



Cleaning Brush

Conical round brush for cleaning voids at cable and pathway penetrations.

Packaging	Article no.
piece	12 08 401



Cleaning Tissue
For cleaning tools.

Packaging	Article no.
10 kg Paket	12 08 501



Spatula
For application of KÖSTER KB-Flex 200 Sealing Paste etc.

Measurements	Packaging	Article no.
b: 20 mm	piece	12 08 601
b: 50 mm	piece	12 08 701



KÖSTER
KB-Pur Mixer **12.088**

Specially designed for mixing injection resins (reduces air entrainment). 12 mm chuck, round.

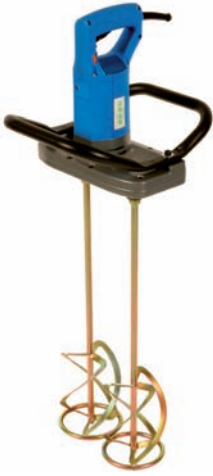
Packaging	Article no.
piece	12 08 801



KÖSTER
Paddle Mixer and accessories **12.09**

Electric multi-purpose mixer for materials with low and high viscosity. 1300 Watt, 220 V, stageless adjustable. Delivered including mortar stirrer and disc stirrer.

Packaging	Article no.
piece	12 09 101



Double Paddle Mixer

Electric compulsory mixer, especially suitable for paste-like and highly viscous mortars, plasters, adhesives, bitumen, etc. 1400 Watt, 220 V, delivered including mortar stirrer.

Packaging	Article no.
piece	12 09 201



Disc Stirrer

With ring for KÖSTER Single Paddle Mixer. Suitable for mixing self-levelling screeds, sealing slurries, injection mortars, etc.

Measurements	Packaging	Article no.
approx. 160 x 600 mm	piece	12 09 601



Mortar Stirrer

For the KÖSTER Single Paddle Mixer. Suitable for mixing thick and paste-like materials, restoration plasters, adhesives, mortars, tile adhesives, etc.

Measurements	Packaging	Article no.
approx. 140 x 600 mm	piece	12 09 701



Mortar Stirrer Set

For KÖSTER Double Paddle Mixer. The set consists of one right-handed and one left-handed mortar stirrer.

Measurements	Packaging	Article no.
each approx. 140 x 600 mm	piece	12 09 901



KÖSTER

Rubber Hand roller

12.10

For the application of KÖSTER KSK waterproofing membranes.

Packaging	Article no.
piece	12 10 013



KÜSTER
Protimeter

12.99

For evaluating the surface moisture of construction members.

<i>Packaging</i>	<i>Article no.</i>
<i>piece</i>	<i>12 99 987</i>



KÜSTER
Diagnosis Case

12.99

For a quick diagnosis of construction materials on site (salt and pH analysis).

<i>Packaging</i>	<i>Article no.</i>
<i>piece</i>	<i>12 99 988</i>

KÖSTER INJECTION SYSTEMS

- *waterproofing of active leakages*
- *structural Repair*
- *filling of voids*



**Request
information
now!**

KÖSTER
Waterproofing Systems

KÖSTER waterproofing products

– guaranteed safe

Decades of experience and the high quality of our products has made us a reliable partner on the construction site. Our wide product range includes well-engineered, patented waterproofing products and systems for every possible problem with pressurized or non pressurized water.

Every KÖSTER product meets state of the art in terms of research and development and is subject to permanent product and quality control. Test certificates from numerous institutes confirm the high quality of our waterproofing materials.

KÖSTER waterproofing materials – quality you can rely on.



Terms and conditions of business, supply and payment of KÖSTER BAUCHEMIE AG

I. General

1. The following terms and conditions of supply and payment apply to the entire business relationship with our customers. The purchaser accepts them as binding on them in respect of the current contract and also for all future transactions. Any alternative agreement requires our written confirmation. The purchaser asserts no purchase terms of their own. They also do not become part of the contractual terms and conditions by consequence of our non-communication or supply.

II. Quotation and supply

1. Our quotations are non-binding.
2. If we are prevented by a hindrance from fulfilling the contract on time by procurement, manufacturing or supply failures – on our part or on the part of our suppliers – e.g. due to an energy shortage, traffic disruption, strike action or lockout, the supply period is extended accordingly. The purchaser can only withdraw from the contract if, on expiry of the extended term, they set us a final deadline in writing. Withdrawal can only be made if we have not fulfilled within the final deadline and withdrawal is notified in written form.
3. If our fulfillment of the contract is made partially or completely impossible for the reasons stated in paragraph 2, we are released from our supply obligation.
4. We will inform the purchaser immediately of the hindrance under paragraph 2 and the impossibility under paragraph 3.
5. Compensation claims by the purchaser arising from delay or non-fulfillment are excluded, to the extent that malicious intent or gross negligence on our part is not proven.
6. If the purchaser is in default of payment in respect to an earlier supply, we are entitled to withhold supplies without obligation to compensate for any loss caused.
7. We are entitled to make part supply.

III. Prices

1. Invoices are raised at prices applicable at the date of the supply, if no special agreement has been made in this regard. If, in the case of a forward order or a make-and-hold order, only a part of the agreed quantity is accepted during the agreed period, we are entitled, at our discretion, either to invoice the supplied amount at the price applicable to that lot-size or to supply the quantity not called upon and raise an invoice.
2. If, in exceptional circumstances, we agree to a return of goods, we will invoice 20% of the net goods value to cover our costs. Generally, we do not accept the return of non-standard supplies

IV. Payment

1. Our invoices fall due for payment immediately after receipt of the invoice. However, we reserve the right, in individual cases, to agree to other payment terms at the time the contract is entered into. Default arises immediately after receipt of the invoice. In this regard, the invoice is deemed to be received three days after the date of the invoice, unless the recipient proves a later date of receipt.
2. In the case of default of payment on the part of the purchaser, we are entitled to charge default interest after the occurrence of default in accordance with generally agreed terms of business. A charge of EUR 15.00 per payment reminder is raised after the occurrence of default.
3. We reserve the right to decide on the acceptance of cheques and bills of exchange on a case-by-case basis. They are only accepted on account of payment. The credit is made under the normal reservations. For bills of exchange, we charge the normal bank discount and collection charges. We do not undertake any guarantee for the correct timing of encashment or remonstration.
4. In circumstances where a bill of exchange or cheque is not cashed on time or circumstances arise regarding the purchaser, which, in our view, no longer warrant the granting of credit, we can determine the whole amount due to us as falling due immediately – even if bills of exchange or cheques have been provided in respect of it.
5. Only persons with our written power of collection are entitled to receive payments with the issue of one of our receipt forms.
6. The purchaser can only assert a right of retention, if it relates to the same contractual relationship. The purchaser is only entitled to an offset if we have recognized the opposing amount due or it has been legally recognized.
7. If the purchaser gets into default with an invoice, and the value of this invoice reaches a significant amount for the business relationship, all receivables of this business relationship fall due immediately independent of any acceptance of bills of exchange. We are furthermore entitled to demand prepayment before any future delivery.
8. If the default is not dispelled within an acceptable final deadline, we are entitled to withdraw from the contract or to demand compensation due to non-fulfillment. This applies in particular to agreed but not delivered follow-up business. In circumstances where information arises regarding the purchaser, which in our view, no longer warrant the granting of credit, we are entitled, apart from before made agreements, to demand prepayment or payment on delivery of the material. The purchaser is entitled to provide security for bills receivable.

V. Retention of title

1. The goods remain our property until the payment of all, including future, amounts due to us arising as a result of our business relationship with the purchaser. This also includes conditional amounts receivable.
2. In the case of a processing or a combining of the goods subject to reservation of title with other items not belonging to us, we are entitled to a co-ownership share in the new item in the amount of the sales price invoiced to the purchaser including value added tax or other sales taxes. The purchaser holds the item in custody for us free of charge.
3. The purchaser may sell the goods subject to retention of title as part of orderly business activities, but only under terms of immediate payment or reservation of title; they are not entitled to provide other entitlements, in particular, the granting of security or a pledge.
4. The purchaser assigns to us the amount from his receivable with all ancillary rights from the onward sale of the goods subject to retention of title that corresponds with our invoice price inclusive of value added tax or other sales taxes.
5. Where the receivables of the purchaser from the onward sale are received into a current account, the purchaser also assigns herewith his receivable from their customer

from the current account. The assignment is made at the amount that we invoiced to the goods resold subject to retention of title inclusive of value added tax or other sales taxes.

6. Subject to revocation, the purchaser is entitled to collect the receivables assigned to us. The assignment or pledging of these receivables is only permitted with our written agreement. Where circumstances arise in relation to the purchaser, which in our view, no longer warrant the granting of credit, at our request, the purchaser is to inform the debtors in writing of the assignment, to provide us with all information and make available and send us documentation. For this purpose, the purchaser is to grant us access, where necessary, to their documents in this respect.
7. In the case of the existence of the circumstances stated in para. 6, sentence 3, the purchaser must grant us access to the goods subject to the reservation of title still in their possession, to send us an accurate list of the goods, to separate the goods and release them to us.
8. If the value of this security exceeds the amount of our receivables by more than 20%, we will release the security to that extent, at the request of the purchaser and our discretion.
9. The purchaser is to inform us immediately in writing of the access of third parties to the goods subject to retention of title or the receivables assigned to us and to support us in intervention in every way.
10. The purchaser bears all of the costs for the fulfillment of the aforementioned cooperation obligations in the pursuit of all rights from the retention of title as well as all costs incurred in the preservation and storage of the goods.

VI. Packaging and dispatch

1. Packaging follows normal commercial practices relevant to the goods. Special packaging and replacement packaging is charged at cost price. Supply is made by forward freight from the factory.

VII. Transfer of risk

1. Risk is transferred to the purchaser as soon as the goods leave our factory or warehouse. All supplies, including any returns, travel at the risk of the purchaser.
2. Our supplies are not insured against damage whilst in transport.

VIII. Responsibility for defects and compensation

1. The goods are supplied in the quality and finish as is normal for us at the time of the supply.
2. Our supplies are to be checked for correctness on receipt. Under or incorrect supplies as well as any defects can only be objected to within 14 days following receipt. Delayed notification of defects does not bring about any entitlement against us. This also applies in respect of non-evident defects, if the purchaser is a merchant.
3. Advice from our employees does not release the purchaser from their own examination of the product with regard to its suitability for its intended purpose and from the observation of the processing requirements of the manufacturer. In addition, technical application advice from our employees, processing instructions, consumption quantities etc., are only general guidelines and do not give rise to a contractual legal relationship or an additional obligation from the purchase contract. No liability arises from such activities. Consumption quantities in our technical leaflets are average values based on experience. Over or under consumption on specific objects do not initiate any rights or claims.
4. The guarantee obligation lapses if changes to the goods supplied have been carried out by the other party or if the purchaser does not immediately comply with our request for the return of the goods subject to complaint. It also lapses if the complete settlement of our invoices does not take place within the contractual or agreed period of credit.
5. If the goods supplied by us are faulty and we are notified within the time limit, we will replace the faulty goods without charge. In the absence of a replacement supply, the purchaser can withdraw from the contract. In the case of a complaint on the grounds of quality, a sample is to be submitted for examination, as appropriate.
6. Our guarantee obligation ends with the term as per law of the country to which the product is sold, at maximum five years. Longer guarantee periods are only binding if they have been confirmed by us in writing. In the case of any such extended guarantee, only the entitlement to the replacement of defective materials exists and not the refunding of costs of consequential damage, labor and handling or other compensation claims. To the extent that we grant the recognition of a defect – after the expiry of the guarantee under sentence 1 – we have the discretion of making an additional supply of the same, defect free materials at no cost or refunding the purchase price paid at the time, excluding ancillary costs such as freight.
7. Claim for defects do not exist upon negligible difference to the agreed condition, upon negligible nuisance of usability, upon natural abrasion or damages which were caused after the transfer of risk due to faulty or negligent handling, inappropriate stocking or transport or which arise from particular outer influences which are not preconditioned by the contract. If the purchaser or a third party carry out any inappropriate modifications no claims arise hence nor for any subsequent consequences.
8. Contribution claims of the purchaser against the supplier do only exist insofar as the purchaser has not made any agreements with their customer that exceed legal defect claims.
9. All other claims, including compensation claims, by the purchaser against us on the grounds of the supply of defective goods are excluded. Nonetheless, should, on any grounds, a recovery of damages come into consideration, the purchase price of the consumed quantity applies as the maximum amount of the claim.

IX. Other compensation claims

All other claims for compensation by the purchaser against us – irrespective of legal grounds – are excluded, to the extent that malicious intent or gross negligence on our part is not proven.

X. Validity

Should any of these individual clauses – irrespective of the cause – not be operable, the validity of the remaining clauses is not affected as a result.

XI. Place of jurisdiction

The place of jurisdiction for all disputes arising in connection with the contractual relationship – including withdrawal – is Aurich, Germany.



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