



**INVESTMENT MATERIAL** 

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PoliDent

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## poliVEST



Carbon-free phosphate bonded precision casting investment for crown and bridgework of all dental alloys by quick or progressive heating procedures

> Long processing time (19 – 24°C) 4 - 7 min Optimal flow characteristics make investing easier and help to prevent unwanted air bubbles.

Expansion is precisely regulated by varying Characterictis: the concentration of the expansion liquid with water.

> Fast heating up out reduces the processing time and increases productivity.

Easy separation from the casting object after cooling.

Indications: crowns and bridgeworks

05844 Polivest powder - 6 kg (40 x 150 g) 05825 Polisol universal liquid - Il bottle





COLVEST



#### ADVANTAGES:

- The absence of carbon assures compatibility with all dental alloys, especially non-precious and Palladium alloys
- Easy mixing because of optimal wettability
- Optimal flow characteristics make investing easier and help to prevent unwanted air bubbles
- Adequately long processing time, several objects can be thus invested in one mixing operation
- Expansion is precisely regulated by varying the concentration of the expansion liquid with water
- Precisely regulated expansion ensures excellent fit of castings
- High thermal stability allows investment material to be heated at final temperature just 20 minutes after mixing
- Rapid burn out reduces the processing time and increases produc-
- Easy separation from the casting object after cooling
- Low oxidation on the casting surface makes sand blasting easier
- A super-fine particle size ensures extremely smooth casting requing only a minimum metal finishing

i'nysicai data:	
Mixing ratio (powder/ liquid)	100 g/ 24 ml
Fluidity	130 ±5 mm
Processing time (22 - 24°C)	5 - 6 min
Initial setting time (22 - 24°C)	9 - 10 min
Thermal expansion	1,0 ± 0,1%
Compressive strength	4 MPa

# poliTERM speed

Characterictis:



A fine grained model casting investment material for fast burn out as well as for traditional slow heating processes. It is suitable for partial dentures and high-quality combination works

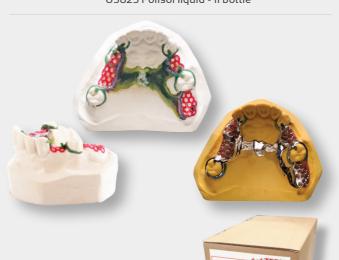
> Equally suitable for gel and silicone duplication

> Conventional or rapid heating up with ideal expansion values.

> Rapid preheating: the insertion temperature is 600°C, this results in time savings compared to investment materials that have to be heated conventionally.

partial dentures, Indications: high-quality combination work

> 05887 Politerm speed powder - 8 kg (20 x 400 g) 05825 Polisol liquid - 11 bottle



#### ADVANTAGES:

- Ideal flow properties, even extremely fine and delicate model sections are filled properly
- Equally suitable for gel and silicone duplication
- Extremely smooth, hard and fracture resistant duplicate model even with gel duplication, no

hardening necessary in the case of the silicone duplication

- Conventional or rapid heating up with ideal expansion values
- Rapid preheating: the insertion temperature is 600 °C, this results in time savings compared to

investment materials that have to be heated conventionally

- The cast objects can be deflasked and blasted quickly
- Exact detail reproduction, high accuracy of fit with extremely smooth casting surfaces

Physical data:	
Mixing ratio (powder/ liquid)	100 g/ 18 ml
Fluidity	130 ± 5 mm
Processing time (22-24°C)	3 - 4 min
nitial setting time (22 - 24°C)	5 - 6 min
Fhermal expansion	1,0 ± 0,1%
Compressive strength	20 MPa

### univeCAST



Universal phosphate bonded casting investment material for model crown and bridgework as well as casting technique by quick or progressive heating procedure and for pressable ceramics

> Universal application, one investment for model castings, combination works as well as crowns and bridges

> Specially developed for casting non-precious dental

Characterictis: alloys.
Casting is simple even with ringless technique.

For quick heating, place the cylinder into the furnace at the final burnout temperature and casting can commence within an hour; this allows considerable time savings.

Indications:

crowns and bridgeworks, Co-Cr model castings, high-quality combination works

05904 Univecast powder - 6 kg (40 x 150 g) 05825 Polisol liquid - 11 bottle







### ADVANTAGES:

Universal application, one investment for model castings, combina tion works as well as crowns and bridges

- Specially developed for casting non-precious dental alloys
- Casting is simple even with ringless technique
- Optimal fluidity and adequately long processing time allows filling of the most demanding parts of the model and bigger objects
- Duplicated models are extremely smooth, hard and additional hardening is not needed
- For quick heating, cylinder can be placed into the furnace at the final burnout temperature and casting can commence within an hour; this allows considerable time savings
- Cooled investment material is brittle after the casting
- The fine granulation of powder results in smooth surfaces of castings and excellent reproduction of details

Physical data:	
Mixing ratio (powder/ liquid)	100 g/ 22 ml
Fluidity	130 ± 5 mm
Processing time (22-24°C)	4,5 - 5,5 min
Initial setting time (22-24°C)	7 - 8 min
Thermal expansion	1,0 ± 0,1%
Compressive strength	

## **poliPRESS**



A phosphate bonded casting investment material for pressable ceramics

High degree of precision. Characterictis:

Quick heating.

High compression strength.

full ceramics,

Indications: press-over-zircon ceramics.

press-over-metal ceramics

05934 Poli Press powder - 6 kg (60 x 100 g)

05832 Poli Press liquid - Il bottle



### ADVANTAGES:

Suitable for fabrication of inlays, onlays, crowns, veneers, 3-unit bridges and pressings on metal and zirconia frameworks

- The total expansion can be exactly adapted to different pressceramic types by diluting the expansion liquid with distilled water
- Its optimal fluid consistency pours easily when investing and produces smooth pressings
- Easy divesting of the ceramic objects can be done at a very low sandblast pressure; this treats the surface with care and ensures, therefore, a high accuracy of fit
- An outstanding property is reduced investment interaction layer on the surface of the ceramic objects

Physical data:	
Mixing ratio (powder/ liquid)	100 g/ 22 ml
Fluidity	130 ± 5 mm
Processing time (22-24°C)	4,5 - 5,5 min
Initial setting time (22-24°C)	7 - 8 min
Thermal expansion	1,0 ± 0,1%
Compressive strength	10 MPa