

**RUST-OLEUM®**  
INDUSTRIAL



## 9400 RUST-O-THANE® SL

# High build self-leveling durable polyurethane



- Seamless smooth industrial finish
- Excellent flowing properties, very easy to level out
- Excellent chemical resistance
- Easy to clean & sterilise, low maintenance costs
- Withstands heavy traffic, very durable

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# 9400 RUST-O-THANE® SL

## DESCRIPTION

High build, solvent-free self-levelling flexible and durable polyurethane cast floor.

## RECOMMENDED USE

9400 RUST-O-THANE® SL should be used on cleaned, horizontal concrete or asphalt floors. Typical uses are interior process, manufacturing, packaging and warehousing areas subjected to heavy foot and pallet truck traffic and where a degree of flexing of the floor is expected. Offers protection against high humidity and moisture, frequent spillage of chemicals, heavy abrasion, impact, and heavy pedestrian and vehicular traffic. Apply the product with a rake and/or trowel and de-aeration roller. Use RUST-OLEUM 5401 or 5421 Impregnation primer on porous mineral substrates. Use RUST-OLEUM B95SL – diluted with 20% Thinner 641 on asphalt floors. On dense surfaces first apply a coat Rust-Oleum® 3333 or 3366.

## TECHNICAL DATA

Density (g/cm <sup>3</sup> ):	1,5
Gloss Level:	Gloss
Solids Content in weight:	100%
Solids content in volume:	100%
Heat Resistance:	60°C (sustained dry heat)
Tensile Strength:	10 MN/m <sup>2</sup>
Flexural Strength:	15 MN/m <sup>2</sup>
Mixing Ratio:	Base : Activator = 4.9 : 1 (weight) = 3.9 : 1 (Volume)

## DRY TIMES BY 20° C/RH 50%

Touch dry:	6 hours
Dry to handle:	8 hours
Dry to recoat:	24 hours
Fully cured:	5 - 7 days
Pot Life:	45 minutes at 20 °C

## RECOMMENDED WET FILM THICKNESS

1 - 2 mm

## RECOMMENDED DRY FILM THICKNESS

1 - 2 mm

## THEORETICAL CONSUMPTION

2,3 kg/m<sup>2</sup> at 1,5 mm dry

## PRACTICAL CONSUMPTION

Practical coverage depends on many factors such as porosity and roughness of the substrate and material losses during application.

## SURFACE PREPARATION

New concrete should cure and dry for at least 30 days prior to the application of the product. Remove oil, grease and all other surface contaminations by alkaline or high pressure (steam) cleaning. Concrete curing compounds should be removed completely. All laitance, loose or unsound concrete should be removed by vacuum-blasting or etching with RUST-OLEUM® Surfa-Etch 108 Etching Solution. Large surfaces should preferably be prepared by abrasive blasting (vacuum blasting). If this is impossible scabbling or roughening of the surface is necessary. Profile maximum 0,5 mm. Defects in the concrete should be repaired with RUST-OLEUM® Epoxy Repair Mortar 5180 or Epoxy Putty 5412. Previously coated surfaces must be in sound condition and a test-patch is recommended to check compatibility. The surface should be clean, dry and have a strength of minimum of 25 N/mm<sup>2</sup> before the coating can be applied.

## DIRECTIONS FOR USE

Add all of Hardener B to Base A. Mix with slow speed drill and helical spinner, taking care not to entrain air. It is advisable to pour mixed contents into a second container and re-mix to ensure the product is homogenous and no soft spot are seen in the applied coating. The product is supplied in full units as A+B. Do not split the compounds/components as this may jeopardise the end result.

## APPLICATION CONDITIONS

The recommended substrate and environment temperature is 15 - 25°C, but no less than 10°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. Temperatures should not fall below 5°C in the 24hrs after application.

## APPLICATION & THINNING: RAKE/TROWEL

Pour the material onto the properly cleaned floor and spread it out evenly with a rake or a trowel. Treat the surface directly after application with the de-aeration roller to release entrapped air and to promote the self-levelling effect.

## CLEANING OF EQUIPMENT / SPILLS

Use RUST-OLEUM® Thinner 160.

## REMARKS

Do not cover or wash within the first 24 hours of curing.

Chemical resistance: check our resistance chart. Some chemicals may cause discoloration.

The product is not colour fast and may change colour over time (exhibits a yellowing effect). Colour change depends on the UV light and heat levels present and hence the rate of change cannot be predicted.

- Reaction to fire: BFL - s1 - EN 13501-1
- Wear Resistance: Weight loss <100 mg - EN ISO 5470-1
- Surface Hardness: 65 (Shore D) - ASTM D2240
- Impact Resistance: 13 Nm - EN ISO 6272
- Capillary absorption & permeability to water: 0.001 kg/m<sup>2</sup> x h<sup>0.5</sup> - EN 1062-3
- Elongation at break: 60% - BS 6319
- Slip Resistance: Method described in BS 7976-2 - Dry >40 low slip potential (in accordance with HSE and UKSRG guidelines)

## SAFETY DATA

VOC level:	0 g/l
VOC ready mix:	0 g/l
VOC category:	A/h
VOC limit:	500 g/l
Remarks regarding safety:	Consult Safety Data Sheet and Safety Information printed on the can.

## SHELF LIFE

Minimum of 1 year from date of production in unopened cans, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5° and 40°C.

Date issued: 22/11/2023

**Available colours & pack sizes:** Please refer to the respective product page on [www.rust-oleum.eu](http://www.rust-oleum.eu) for an overview of actual available colours and pack sizes.

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