

PRODUCT DATA

IMPREGNATION PRIMER 5401

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DESCRIPTION

RUST-OLEUM® Impregnation Primer 5401 is a solvent free, two component epoxy primer.

RECOMMENDED USES

RUST-OLEUM Impregnation Primer 5401 is designed for application on concrete and masonry.

RUST-OLEUM Impregnation Primer 5401 is primarily intended for roller and brush application.

RUST-OLEUM Impregnation Primer 5401 provides a good key for adhesion on porous, mineral substrates prior to the application of several RUST-OLEUM Systems like; Self Levelling Mortar Compound System 5400, Solvent-free High-Build Epoxy System 5500, High-Performance Epoxy System 9100 Topcoats and can also be used as a tack-coat for RUST-OLEUM Concrete Repair Mortar 5403.

TECHNICAL DATA

Appearance: Glossy
Colour: Transparent
Density: 1.07 kg/l (mixed product)
Solids Content: 100% by volume (mixed product)
Viscosity: N.a.
Recommended film thickness: 100 µm dry, equals 100 µm wet

VOC-content max. 0 g/l
Ready-for-use mixture: 254 g/l
Category: A/h
EU Limit values: 750 g/l (2007) / 750 g/l (2010)

Drying times	20°C/50% r.h.	10°C/60% r.h.	30°C/50% r.h.
To touch:	16 hours	36 hours	12 hours
To handle:	After 16 hours	After 36 hours	After 12 hours
To recoat:	Within 72 hours	Within 96 hours	1 within 48 hours
Full hardness	7 days	14 days	5 days

Heat resistance: 50°C (wet heat)
100°C (dry heat)

Coverage

Theoretical: 10 m²/l. at 100 µm dry
Practical: 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 in combination with appropriate detergents. Remove all laitance, loose or unsound concrete by vacuum-blasting or etching with RUST-OLEUM Surfa-Etch 108 Etching Solution. Remove concrete curing compounds completely. Large surfaces should preferably be prepared by abrasive blasting (vacuum blasting) or flame cleaning. Profile maximum 0.5 mm. Defects in the concrete should be repaired with RUST-OLEUM Light-Weight Repair Mortar 5140 or Floor Repair Mortar 5403. Small (hair) cracks and air-pockets should be repaired with RUST-OLEUM Epoxy Putty 5412. The surface should be clean and dry during application.

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DIRECTION FOR USE

Stir individual components thoroughly before mixing them together. Use a low speed mixer in combination with the boxing method.

Mixing ratio: base: activator (540101) = 3 : 2 by volume .
Induction time: 10 minutes for a 5 l. mix at 20°C.
Pot-life: 30 minutes for a 5 l. mix at 20°C (undiluted).

THINNING

Absorbent mineral substrates like concrete:
Very porous: up to 20% with RUST-OLEUM 160 Thinner.
Normal porosity: 10% up to 30% with RUST-OLEUM 160 Thinner.
Power floated (slightly porous): 20% up to 40% with RUST-OLEUM 160 Thinner.

APPLICATION

Brush: Use natural bristles, longhair brushes.
Roller: Use medium nap, 12 mm, perlon or polyester rollers.
For textured surfaces use long nap 14-18 mm rollers.
Cleanup: Use RUST-OLEUM Thinner 160.
Preferably use disposable brushes and/or rollers.

APPLICATION CONDITIONS

Temperature of air and substrate between 10 and 35°C and relative humidity below 85%. The substrate temperature must be at least 3°C above dew point.

REMARKS

Food should be stored separately or covered adequately during application of the Impregnation Primer 5401. The compression strength of the concrete should be minimum 25 N/mm², the tensile strength minimum 1.5 N/mm².

SAFETY

Consult Safety Data Sheet and Safety Information printed on the can.

SHELLIFE / STORAGE CONDITIONS

5 years from date of production in unopened cans, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5° and 35°C.

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