



5401 EPOXY IMPREGNATION PRIMER

Improves adhesion on porous mineral floors

- Impregnation of porous and brittle floors
- Contains no solvents
- Can be applied on slightly damp surfaces
- Also ideal as primer for concrete repair products

KNOW-HOW TO PROTECT™

WWW.RUST-OLEUM.EU

5401 EPOXY IMPREGNATION PRIMER

DESCRIPTION
Solvent-free epoxy impregnation primer for concrete and other porous, mineral surfaces.

RECOMMENDED USE
Impregnation Primer 5401 is designed for application on concrete and masonry and is primarily intended for roller and brush application. Provides a good key for adhesion on porous, mineral substrates prior to the application of several RUST-OLEUM Systems like; 9100, 5500, Pegakote, 9400 and can also be used as a tack-coat for 5180 Epoxy Repair Mortar.

TECHNICAL DATA

Density (g/cm³):	1,07
Gloss Level:	Gloss
Solids Content in weight:	100%
Solids content in volume:	100%
Heat Resistance:	100°C (dry heat) - 50°C (wet heat)
Compressive Strength:	50 MN/m²
Tensile Strength:	10 MN/m²
Flexural Strength:	70 MN/m²
Mixing Ratio:	Base : Activator = 3 : 2 (Volume)

DRY TIMES BY 20º C/RH 50%

Touch dry:	16 hours (20°C), 36 hours (10°C), 12 hours (30°C)
Dry to handle:	16 hours (20°C), 36 hours (10°C), 12 hours (30°C)
Dry to recoat:	16 hours (20°C), 36 hours (10°C), 12 hours (30°C)
Fully cured:	7 days (20°C), 14 days (10°C), 5 days (30°C)
Pot Life:	30 minutes
Induction Time:	10 minutes

RECOMMENDED WET FILM THICKNESS
100 µm

RECOMMENDED DRY FILM THICKNESS
100 µm

THEORETICAL CONSUMPTION
10 m²/l

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 in combination with appropriate detergents. Remove all laitance, loose or unsound concrete by vacuum-blasting or etching with 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 0.5mm. Defects in the concrete should be repaired with 5180 Epoxy Repair Mortar. Small (hair) cracks and air-pockets should be repaired with Epoxy Putty 5412. The surface should be clean and dry during application.

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

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.

APPLICATION & THINNING: BRUSH
Use natural bristles, longhair brushes. 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 & THINNING: ROLLER
Use medium nap, 12 mm, polyester rollers. For textured surfaces use long nap 14-18 mm rollers. 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.

CLEANING OF EQUIPMENT / SPILLS
Use RUST-OLEUM Thinner 160.

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 DATA

VOC level:	0 g/l.
VOC readymix:	Max. 400 g/l. Thinner 160; 10% = 105.3g/l, 20% = 206.2g/l 30% = 302.9g/l, 40% = 400g/l
VOC category:	A/j
VOC limit:	500 g/l
Remarks regarding safety:	Consult Safety Data Sheet and Safety Information printed on the can.

SHELF LIFE
Minimum of 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.

Date issued: 22/06/2026

Available colours & pack sizes: Please refer to the respective product page on www.rust-oleum.eu for an overview of actual available colours and pack sizes.

Disclaimer: The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied him/herself independently as to the suitability of our products for his/her own particular purpose. In no event shall Rust-Oleum Europe be liable for consequential or incidental damages. Products must be stored, handled, and applied under conditions complying with Rust-Oleum Europe recommendations detailed within the latest copy of the product data sheet. It is the users responsibility to ensure that they have the current copy. Latest copies of the product data sheet is available for free and downloadable from www.rust-oleum.eu or upon a request to our Customer Services department. Rust-Oleum Europe reserves the right to change the properties of its' products without prior notification.

Rust-Oleum Netherlands B.V.
Europalaan 9
5232 BC 's-Hertogenbosch
The Netherlands
T : +31 (0) 165 593 636
F : +31 (0) 165 593 600
info@rust-oleum.eu

Tor Coatings Ltd (Rust-Oleum Industrial)
Shadon Way, Portobello Ind. Estate
Birtley, Chester-le-Street
DH3 2RE United Kingdom
T : +44 (0)1914 113 146
F : +44 (0)1914 113 147
info@rust-oleum.eu

Rust-Oleum France S.A.S.
38, av. du Gros Chêne
95322 Herblay
France
T : +33(0) 130 40 00 44
F : +33(0) 130 40 99 80
info@rust-oleum.eu

N.V. Martin Mathys S.A.
Kolenbergstraat 23
3545 Zelem
Belgium
T : +32 (0) 13 460 200
F : +32 (0) 13 460 201
info@rust-oleum.eu