

RUST-OLEUM®
INDUSTRIAL

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.

DOPORUČENÉ POUŽITÍ

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

| | |
|----------------------------------|------------------------------------|
| Hustota (g/cm ³): | 1,07 |
| Úroveň lesku: | Gloss |
| Obsah pevných látek v hmotnosti: | 100% |
| Obsah pevných látek v objemu: | 100% |
| Tepelná odolnost: | 100°C (dry heat) - 50°C (wet heat) |
| Pevnost v tlaku: | 50 MN/m ² |
| Pevnost v tahu: | 10 MN/m ² |
| Pevnost v ohybu: | 70 MN/m ² |
| Míchací poměr: | Base : Activator = 3 : 2 (Volume) |

DRY TIMES BY 20° C/RH 50%

| | |
|----------------------|---|
| Dotykem suché: | 16 hours (20°C), 36 hours (10°C), 12 hours (30°C) |
| Suché na manipulaci: | 16 hours (20°C), 36 hours (10°C), 12 hours (30°C) |
| Suchý nátěr: | 16 hours (20°C), 36 hours (10°C), 12 hours (30°C) |
| Plně vytvrzené: | 7 days (20°C), 14 days (10°C), 5 days (30°C) |
| Život v hmci: | 30 minutes |
| Indukční čas: | 10 minutes |

DOPORUČENÁ TLOUŠŤKA MOKRÉHO FILMU

100 µm

DOPORUČENÁ TLOUŠŤKA SUCHÉHO FILMU

100 µm

TEORETICKÁ SPOTŘEBA

10 m²/l

PRAKTICKÁ SPOTŘEBA

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

PŘÍPRAVA POVRCHU

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.

NÁVOD K POUŽITÍ

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

PODMÍNKY POUŽITÍ

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.

APLIKACE A ŘEDĚNÍ: ŠTĚTEC

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.

APLIKACE A ŘEDĚNÍ: VÁLEČEK

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.

ČIŠTĚNÍ ZAŘÍZENÍ / ROZLITÍ

Use RUST-OLEUM Thinner 160.

POZNÁMKY

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

| | |
|------------------------------------|--|
| Úroveň těkavých organických látek: | 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 |
| Kategorie VOC: | A/j |
| Limitní hodnota VOC: | 500 g/l |
| Poznámky k bezpečnosti: | Consult Safety Data Sheet and Safety Information printed on the can. |

last_updated: 20/03/2025

footer_data_colors_pack_sizes: footer_data_colors_pack_sizes.value

footer_data_disclaimer: footer_data_disclaimer.value

Rust-Oleum Netherlands B.V.
Zilverenberg 16
5234 GM '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

5401 EPOXY IMPREGNATION PRIMER

DOBA POUŽITELNOSTI

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.

last_updated: 20/03/2025

footer_data_colors_pack_sizes: footer_data_colors_pack_sizes.value

footer_data_disclaimer: footer_data_disclaimer.value

Rust-Oleum Netherlands B.V.
Zilverenberg 16
5234 GM '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