

RUST-OLEUM®
INDUSTRIAL



9100 HIGH PERFORMANCE EPOXY

High build 2 pack epoxy for floor and metals

- 2x thicker than regular epoxies (125 micron dry)
- Very resistant against abrasion and chemicals
- Contains a high amount of rust inhibitors
- Can be applied on metal and floors
- Tintable in almost any colour

KNOW-HOW TO PROTECT™

WWW.RUST-OLEUM.EU

9100 HIGH PERFORMANCE EPOXY

DESCRIPTION

Two-pack, high layer thickness glossy epoxy, resistant to corrosion and chemicals, suitable for applications on metal or floors.

DOPORUČENÉ POUŽITÍ

9100 high Performance can be applied on: manually prepared rusted steel surfaces, new, blasted, primed steel; concrete and previously compatible coated surfaces. 9100 Topcoats offer appropriate protection against strong chemicals, acids, alkalis and solvents; frequent product spillage and chemical cleaning; high humidity and moisture conditions.

DOPORUČENÝ SYSTÉM

Topcoat: for U.V. resistance: polyurethane Topcoats 9200 or 9600 should be applied (except for the clear coatings).

Primers: porous mineral substrates: 5401 or 5421 Impregnation Primer.

Very dense substrates, like ceramic tiles: Super Adhesive 3333.

9100 Topcoats can be applied on 9169, 9170 and 9180 Metal Primers.

TECHNICAL DATA

| | |
|-------------------------------|---|
| Hustota (g/cm ³): | 1,32 |
| Úroveň lesku: | Gloss |
| Třída koroze: | C4 vysoká ochrana |
| Obsah pevných látek v objemu: | 89,3 % |
| Teplná odolnost: | Immersion or wet heat: 50°C - Dry Heat: 100°C |
| Míchací poměr: | Vol: 2:1 |

DRY TIMES BY 20° C/RH 50%

| | |
|----------------------|--------------------|
| Dotykem suché: | 6 hours - 8 hours |
| Suché na manipulaci: | 8 hours - 16 hours |
| Suchý nátěr: | After 16 hours |
| Plně vytvrzené: | 7 days |
| Život v hrci: | 90 minutes |
| Indukční čas: | - |

DOPORUČENÁ TLOUŠŤKA MOKRÉHO FILMU

140 µm

DOPORUČENÁ TLOUŠŤKA SUCHÉHO FILMU

125 µm

TEORETICKÁ SPOTŘEBA

7.15 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

Remove all dirt and contaminations by alkaline or high pressure (steam) cleaning in combination with appropriate detergent like Rust-Oleum ND14. Sand previous glossy coatings to roughen the surface slightly, check compatibility. The surface must be clean and dry.

Steel: Remove loose rust, mill scale and deteriorated coatings by hand or power tool cleaning to St 2/3 (ISO 8501-01 : 1988). Blast large areas to Sa 2 (ISO 8501-01: 1988), blast profile max. 50 µm. For immersion purposes, prepare to Sa 3 (ISO 8501-01 : 1988), blast profile max. 75 µm.

Concrete and masonry: New concrete or masonry should cure for at least 30 days before applying the coating system. Remove laitance, any loose or unsound concrete or coatings. Smooth concrete should be abraded except in case of use of a Rust-Oleum adhesion primer.

NÁVOD K POUŽITÍ

Stir individual components thoroughly before mixing them together, with a mechanical low speed mixer for 3 minutes.

PODMÍNKY POUŽITÍ

Temperature of air, substrate and product between 0 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, long hair preferably disposable brushes. Dilution not normally required but if necessary dilute up to 10% volume with Thinner 160. Dilution will result in the requirement of VOC <100g/l not being met.

APLIKACE A ŘEDĚNÍ: VÁLEČEK

Use a medium nap polyamide 14-20 mm roller. Roller application requires 2 coats to achieve recommended d.f.t. If necessary dilute up to 10% volume with Thinner 160. Dilution will result in the requirement of VOC <100g/l not being met.

APLIKACE A ŘEDĚNÍ: BEZVZDUCHOVÝ SPREJ

Tip size 0.013-0.021 inch. Fluid pressure: 150 - 225 bar. Avoid excessive film thickness. Dilution not normally required but if necessary dilute up to 10% volume with Thinner 160. Dilution will result in the requirement of VOC <100g/l not being met.

APLIKACE A ŘEDĚNÍ: VZDUCHOVÝ ATOMIZOVANÝ SPREJ

Not recommended.

ČIŠTĚNÍ ZAŘÍZENÍ / ROZLITÍ

RUST-OLEUM Thinner 160.

POZNÁMKY

Contact with water or chemicals can cause discolouration especially for colours made with tinting machine. Uses bases and activators from one same batch per project. The batch number is printed on the can.

For use on floors subjected to heavy abrasion, standard and medium colours are recommended. In the case of deep and/or bright tones (red, yellow, orange, green, blue etc) a clear polyurethane varnish should be applied.

Maximum dry film thickness per coat: 250µm

last updated: 20/03/2025

footer_data_colors_pack_sizes: footer_data_colors_pack_sizes.value

footer_data_disclaimer: footer_data_disclaimer.value

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SAFETY DATA

Úroveň těkavých organických látek: 98,5 g/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.

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.

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