

PRODUCT DATA

HIGH-PERFORMANCE EPOXY RUST PRIMER 9169

DESCRIPTION

RUST-OLEUM High-Performance Epoxy System Rust Primer 9169 is based on two-component, solvent-based epoxy resins. The product contains rust-inhibitive pigments and is lead- and chromate free.

RECOMMENDED USES

RUST-OLEUM High-Performance Epoxy System Rust Primer 9169 is designed for application on manually prepared rusted steel surfaces.

RUST-OLEUM 9169 Rust Primer is intended for brush application and can also be applied by roller and spray.

RUST-OLEUM 9169 Rust Primer can be recoated with RUST-OLEUM 9170/80 Primers and 9100 Topcoats, offering the appropriate protection against strong chemicals, acids, alkalis and solvents; frequent product spillage and frequent chemical cleaning; high humidity and moisture conditions.

TECHNICAL DATA

Appearance:	Glossy
Colour:	Oxide red
Density:	1.34 kg/ltr. (mixed product)
Solids Content:	58.5 % by volume (mixed product)
Viscosity:	100 KU ± 5 / Krebs Stormer Units at 20°C (mixed product)
Recommended film thickness:	50 µm dry, equals 85 µm wet

VOC-content max.	371 g/l
Ready-for-use mixture:	458 g/l
Category:	A/j
EU Limit value:	550 g/l (2007) / 500 g/l (2010)

Drying times	20°C/50% r.h.	10°C/60% r.h.	30°C/50% r.h.
To touch:	2 hours	6 hours	1 hour
To handle:	4 hours	8 hours	2 hours
To recoat:	After 16 hours, but within 72 hours		
Full hardness	8 days	14 days	5 days

Heat resistance: 150°C (dry heat)

Coverage

Theoretical:	11.7 m ² /l at 50 µm dry
Practical:	Practical coverage depends on many factors such as porosity and roughness of the substrate and material losses during application.

SURFACE PREPARATION

Remove grease, oil and all other surface contaminations by alkaline or high pressure (steam) cleaning in combination with appropriate detergents.

Remove loose rust, mill scale and deteriorated coatings by hand or power tool cleaning to St 2/3 (ISO 8501-01 : 1988). Large areas may be brush-off blasted to Sa 2 (ISO 8501-01 : 1988), blast profile max. 50 µm. Sand previous coatings which are in good condition to remove gloss and to roughen the surface slightly, check compatibility. The surface must be clean and dry during application.

DIRECTION FOR USE

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

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Mixing ratio: activator (9102) : base = 1 : 1 by volume
Induction time: 1 hour for a 5 ltr. mix at 20°C
Pot-life: 4 hours for a 5 ltr. mix at 20 °C

APPLICATION & THINNING

- Brush:** Up to 10 vol.%; RUST-OLEUM Thinner 160.
Use natural bristles, longhair brushes.
- Roller:** Up to 10 vol.%; RUST-OLEUM Thinner 160
Use short/medium nap polyamide (perlon 8 - 12 mm) rollers.
- Air-atomised spray:** Up to 20 vol.%; RUST-OLEUM Thinner 160.
Gravity cup and pressure cup.
Tip size: 1.2 -2.2 mm.
Atomising pressure: 2 - 4 bar .
Avoid excessive film thickness.
- Airless spray:** Up to 10 vol.%; RUST-OLEUM Thinner 160.
Pneumatic and electric airless equipment.
Tip size: 0.013-0.018 inch.
Fluid pressure: 125 - 200 bar.
Avoid excessive film thickness.
- Cleanup:** Use RUST-OLEUM Thinner 160.
Preferably use disposable brushes and/or rollers.

APPLICATION CONDITIONS

Temperature of air and substrate between 5 and 35°C and relative humidity below 85%. The substrate temperature must be at least 3°C above dew point.

REMARKS

Maximum dry film thickness per coat: 100 µm dry, equals 175 µm wet.

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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