

PRODUCT DATA RUST-O-THANE® POLYURETHANE TOPCOATS 9600

DESCRIPTION

RUST-OLEUM® Rust-O-Thane Polyurethane Topcoats 9600 are based on a two-component aliphatic polyurethane.

RECOMMENDED USES

RUST-OLEUM 9600 Topcoats are intended for application on substrates which are coated with RUST-OLEUM epoxy systems.

RUST-OLEUM 9600 Topcoats can be applied by spray, roller and brush application if the appropriate thinner is used.

RUST-OLEUM 9600 Topcoats assure appropriate protection against strong chemicals, acids, alkalis and solvents; frequent product spillage and chemical cleaning; high humidity and moisture conditions. RUST-OLEUM 9600 Topcoats are especially recommended when weather resistance is required.

TECHNICAL DATA

Appearance:	High gloss / 9610: Transparent gloss, only for inside use
Colour:	See colour card
Density:	1.18 kg/l. ± 0.16 (mixed product) depending on colour
Solids Content:	53.0% by volume ± 5.0 (mixed product) depending on colour
Viscosity:	80 - 100 KU /Krebs Stormer Units at 20°C (mixed product)
Recommended film thickness:	40 µm dry, equals 70 - 85 µm wet
VOC Ready-for-use mixture:	499 g/l max.
Category:	A/j
EU Level values:	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:	6 hours	8 hours	4 hours
To handle:	12 hours	24 hours	8 hours
To recoat:	After 16 hours	After 24 hours	After 16 hours
Full hardness	5 days	7 days	4 days
Remark:	Rust-O-Thane® Accelerator 9996 can be used to reduce the drying time.		

Heat resistance: 105°C (dry heat), above 65°C discoloration may occur.

Coverage

Theoretical:	13.2 m ² /l at 40 µm dry (depending on colour)
Practical:	Practical coverage depends on many factors such as porosity and roughness of the substrate and material losses during application.

IRFACE PREPARATION

Remove grease, oil and all other surface contaminations by alkaline or high pressure (steam) cleaning in combination with appropriate detergents. Sand previous coatings, which are in good condition to remove gloss and to roughen the surface slightly. Assure that the previous coating is compatible with the RUST-OLEUM System 9600 by making a test application! Remove bad adhering coatings by scraping, wire-brushing or sanding. (Spot)prime with the recommended Rust-Oleum epoxy coating. The surface must be clean and dry during application.

DIRECTION FOR USE

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

Mixing ratio: base : activator (9601) = 3 : 1 by volume.

Pot-life: 4 hours for a 5 ltr. mix at 20°C.

Rust-Oleum Netherlands B.V.
Braak 1, 4704 RJ
P.O. Box 138, 4700 AC
Roosendaal, The Netherlands
T +31 (0)165 593 636
F +31 (0)165 593 600
info@rust-oleum.eu
www.rust-oleum.eu

N.V. Martin Mathys S.A.
Kolenbergstraat 23
3545 Zelem
Halen, Belgium
T +32 (0)13 460 200
F +32 (0)13 460 201
info.be@ro-m.com
www.ro-m.com

Rust-Oleum France S.A.S
11, Rue Jules Verne, B.P. 60039
95322 St-Leu-la-Forêt Cedex
France
T +33 (0)1 30 40 00 44
F +33 (0)1 30 40 99 80
info.fr@ro-m.com
www.ro-m.com

Rust-Oleum UK Ltd.
Rotterdam House
116 Quayside
Newcastle
NE1 3DY
United Kingdom
T +44 (0)2476 717 329
F +44 (0)2476 718 930
info@rust-oleum.eu
www.rust-oleum.eu

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APPLICATION & THINNING

In order to avoid problems with foaming (bubbling) it is necessary, with brush and roller application, to add thinner 190.

Brush: Up to 10 vol. %; RUST-OLEUM Thinner 190N.
Use natural bristles, longhair brushes.

Roller: Up to 10 vol. %; RUST-OLEUM Thinner 190N.
Use medium nap, perlon 8-12 mm. Rollers. Apply slowly in even strokes.

Spray application: when spraying this product apply a mist-coat first, allow to flash-off for 10 minutes, then apply a full cross-coat.

Air-atomised spray: Up to 20 vol.%; RUST-OLEUM Thinner 191.
Gravity cup, pressure cup and suction cup.
Tip size: 1.2 -1.8 mm.
Atomising pressure: 2 - 4 bar.

Airless spray: 10 - 20 vol.%; RUST-OLEUM Thinner 191.
Pneumatic and electric airless equipment.
Tip size: 0.011-0.015 inch.
Fluid pressure: 125 - 175 bar.

Cleanup: Use RUST-OLEUM Thinner 190N, 191 or Methyl Ethyl Ketone.

APPLICATION CONDITIONS

Temperature of air, substrate and coating material between 10 and 35°C and relative humidity below 70%. The substrate temperature must be at least 3°C above dew point.

REMARKS

Maximum dry film thickness per coat: 60 µm dry, equals 110 µm wet.

Due to the use of lead and chromate free pigments, it may be necessary to apply bright colours, especially yellow, orange and red, in two coats.

For use on floors submitted to heavy abrasion, standard and medium colours are recommended. In case of deep and/or bright tones (red, yellow, orange, green, blue etc), it is advised to apply a clear topcoat.

SAFETY

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

SHELLIFE / STORAGE CONDITIONS

Base material: 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.

Activator: 1 year 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.

Opened activator cans must be used within 2 weeks.

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France
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F +33 (0)1 30 40 99 80
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