

## PRODUCT DATA

## ALKYTHANE 7500

### DESCRIPTION

RUST-OLEUM® Alkythane 7500 coatings are based on a urethane modified alkyd, providing good drying properties at low temperatures. The coatings are lead- and chromate-free and contains rust-inhibitive pigments (except for 7510 clear) for additional protection.

### RECOMMENDED USES

RUST-OLEUM Alkythane 7500 should be applied on metal surfaces primed with RUST-OLEUM Alkyd primers.

RUST-OLEUM Alkythane 7500 is intended for brush and roller application and can also be applied by spray.

On properly primed or previously coated surfaces RUST-OLEUM Alkythane 7500 offers corrosion protection in a light industrial environment.

For metal structures in a more aggressive industrial environment, application of an additional RUST-OLEUM Alkyd primer or Alkythane 7500 finish is recommended.

### TECHNICAL DATA

Appearance:	High gloss, Satin, Flat (black and white).
Colour:	See colour card (7510 - transparent). Satin and High gloss are also available as tint base.
Density:	High gloss/flat: 1.07 kg/l. ± 0.09 depending on colour Satin: 1,23 kg/l. ± 0,10 depending on colour
Solids Content:	High gloss/flat: 52.5% by volume ±2.0 depending on colour Satin: 50,6 volume % ± 2,0 depending on colour
Viscosity:	High gloss/flat: 100 - 104 KU / Krebs Stormer Units at 20°C Satin: 86 - 91 KU /Krebs Stormer Units bij 20°C
Recommended film thickness:	50 µm dry, equals 95 µm wet
VOC-content:	392 g/l max.
Ready-to-use mixture:	500 g/l max.
Category:	A/i
EU Limit values:	600 g/l (2007) / 500 g/l (2010)

Drying times (ASTM D1640-69)	20°C/50% r.h.	5°C/60% r.h.	30°C/50% r.h.
To touch:	2 hours	3 hours	1 ½ hour
Tack-free:	4 hours	6 hours	3 hours
To handle:	8 hours	16 hours	6 hours
To recoat:	After 16 hours	After 24 hours	After 8 hours
Full hardness	7 days	14 days	5 days

Heat resistance: 90°C (dry heat), at elevated temperatures discoloration may occur.

### Coverage

Theoretical:	10.5 m <sup>2</sup> /l at 50 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.

### SURFACE PREPARATION

Remove oil, grease and all other contamination by alkaline or high pressure (steam) cleaning in combination with appropriate detergents. Remove rust scale, loose mill scale, loose rust and loose coatings by scraping and wire brushing to St 2/3 (ISO 8501-1 : 1988), blast cleaning to Sa 2½ (ISO 8501-1 : 1988) or sanding, followed by priming with the recommended RUST-OLEUM Primers. Sand previous coatings in good condition to provide a key for adhesion and check compatibility. The surface must be clean and dry during application.

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To ensure homogeneity, coating materials should be thoroughly stirred prior to use.

### APPLICATION & THINNING

- Brush:** Up to 10 vol. % with RUST-OLEUM Thinner 633.  
Use natural bristles, longhair brushes.
- Roller:** Up to 10 vol. % with RUST-OLEUM Thinner 633.  
Use short nap, perlon 8 or mohair 4 -6 mm rollers.  
Roller application may require 2 coats to achieve the recommended dry film thickness.
- Air-atomised spray:** 10 to 30 vol. % with RUST-OLEUM Thinner 641.  
Gravity cup and pressure cup.  
Tip size: 1.0 - 1.5 mm Atomising pressure: 2 - 4 bar.
- Airless spray:** Up to 20 vol. % with RUST-OLEUM Thinner 641.  
Pneumatic and electric airless equipment.  
Tip size: 0.009-0.013 inch Fluid pressure: 150 - 200 bar.  
Check wet film thickness, avoid excessive film thickness.
- Cleanup:** Use RUST-OLEUM Thinner 160 or mineral spirits.

### APPLICATION CONDITIONS

Temperature of air, substrate and coating material 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: 80µm dry, equals 150 µm wet.  
To avoid inhomogeneous appearance with aluminium coloured coatings it is recommended to spray 7511 with HVLP.

### 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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