



Product data sheet

REVONTHANE RV 612 Polyurethane Gloss

PRODUCT DESCRIPTION

Acrylic Aliphatic Polyurethane Gloss Finish.

RECOMMENDED USE

Polyurethane finish coat where attractive appearance and a wide range of protection is required.

CHARACTERISTICS

- Excellent gloss and colour retention.
- Outstanding weather resistance with excellent colour and gloss retention.
- Resistance to broad range of corrosive atmospheres.
- Excellent resistance to atmospheric exposure.
- Hard, tough and abrasion resistance.
- Good resistance to splash and spillage of acids, alkalis, salt solutions and aliphatic petroleum products.

PHYSICAL DATA

Colour	Available On Request
Gloss Level	Gloss
Volume Solid	Approx. 55%
Dry Film Thickness	40 – 60 microns per coat
Number of Coat	1 or 2
Theoretical Coverage	11 sq.m/l for 50 microns
Temperature Resistance	Continuous : 93°C (dry) Intermittent : 121°C (dry)
VOC	230 g/l
Flash Point	Base : 29°C Hardener : 38°C
Shelf Life	At least 12 months
Pack Size	20 litres unit Base: 16 litres, Hardener: 4 litres

SURFACE PREPARATION

Refer to specific instructions for primer and intermediate coats being used for application. All previous coats must be clean and dry.
Old coating system must be roughened, cleaned and dry.

APPLICATION DATA

Application Methods	
Airless Spray	0.46 – 0.58 mm (0.018 – 0.023 inch)
Nozzle Tip	10 MPa (approx. 1400 psi)
Nozzle Pressure	
Conventional Spray	1.8 – 2.0 mm (0.071 – 0.079 inch)
Nozzle Tip	0.3 MPa (approx. 43 psi)
Nozzle Pressure	
Brush or Roller	Recommended
Mixing Ratio By Volume	Base : Hardener = 4 : 1
Thinner	REVONER 116
Surface Temperature	Should be 10°C – 49°C, at least 3°C above the dew point to prevent condensation
Drying Time	
Touch Dry	1 hour at 25°C, 30 minutes at 32°C
Trough Dry	7 hours at 25°C, 4 hours at 32°C
Over coating	
Minimum	4 hours at 25°C, 2 hours at 32°C
Maximum	Unlimited
Full Cure	7 days

Pot Life	18 hours at 25°C, 8 hours at 32°C
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SAFETY PRECAUTION

Keep away from heat, spark and Open flames. Avoid breathing of vapour on skin and eye contact. Keep container closed and store in cool, ventilated area when not in use. Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against topic hazard. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interior and building.

DISCLAIMER

The information in this product data sheet is given to the best of our knowledge based on laboratory testing and practical experience. If the product is used under condition beyond our control, we cannot guarantee anything but the quality of the products it self. The information in this product data sheet is liable for modification from time to time in the light of experience and our policy of continuous product development, and without further notice.