

OMTHANE F – 251 (POLYURETHANE PAINT)

PRODUCT DESCRIPTION

Omthane F- 251 is a special Polyurethane Paint manufactured with the latest technology. It is a two pack air drying Acrylic Aliphatic polyurethane system which confers film with Good Chemical resistance and mechanical properties. This is a cost effective product which gives Very Good UV resistance with Non-Yellowing properties.

TYPICAL FEATURES

- Good chemical resistance, abrasion resistance & also Good UV resistance
- Excellent adhesion to substrates like MS and variety of surfaces after applying Proper Primer
- Two pack cold cure system
- Easy to apply and fast curing characteristic
- Very good Dielectric Properties

APPLICATIONS

- For MS substrates like Plant and Machinery, Refineries,
- Steel structures, Tanks and vessels
- Transformer and Radiator plates
- Topcoat for wooden surfaces over appropriate primer

TECHNICAL DATA

TYPE	Two component PU
COMPOSITION	Polyol & Aliphatic Polyisocyanate
MIXING RATIO	7 : 1 (Base : Hardner)
POT LIFE	6 to 8 Hours
APPLICATION	Brush / Spray / Airless spray
VOLUME SOLIDS	40 ± 3%
RECOMMENDED DFT	25 to 35 µ per coat
THEORETICAL COVERAGE	11.5 to 16 sq. met per coat per lit
DRYING TIME	Touch.....1Hour, handle4 to 6 Hours, Had.....Overnight, Curing time.....7 days
OVER COATING INTERVAL	Minimum overnight, Maximum 24 Hours If exceeds the surface should be roughed by emery scuffing
FLASH POINT	Above 22 C
SHADES	All IS & RAL Shades
PACKING	20 Lits, 4 Lits
THINNER/CLEANER	OMP T - 101
FINISH	Glossy / Semi Glossy / Matt Finish
STORAGE LIFE	Up to 12 Months stored in cool, dry condition away from Flame and Sun in original sealed container as supplied.

Temperature Resistance**Continuous: 90° C****Intermittent: 120° C****SURFACE PREPARATION**

This is a top coat which is applied over Primer or intermediate coats. The surface of the substrate should be free from oil, moisture and dust. Aged coating should be roughened by emery paper grade 220. For better bonding, all surface should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504. For more details contact our representative. It is advisable that a small trial be carried out before applying a full coat.

APPLICATION PROCESS

This Product can be applied on recommended Epoxy Primers, Polyurethane Primers, Intermediate coats and also can be applied on Epoxy & PU Top Coats but for application on the any Top Coat , the surface should be roughened by emery paper.

To Start the Application stir the base thoroughly and then mix the base and hardener in the recommended ratio by volume, stir & mix both thoroughly. Add required Thinner to get required application viscosity allow the mixture to mature for 15 minutes. Filter the paint through Nylon filter cloth of 300 mesh size and apply uniformly over the surface and stir again before and during application. Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with recommended thinner.

Application: By Brush/By Air Spray/By Airless Spray

For Brush application, add a maximum of 5% thinner, if required. Apply uniformly on the surface of the substrate. Use good quality brushes/rollers for paint application.

For Air spray application:

Thinner: OMP T 101

Addition: 10-15%

Nozzle Orifice: 1 .2 -1 .4 mm

Nozzle Pressure: 40-70 psi

For Airless spray application:

Thinner: OMP T 101

Addition: Max 5%

Nozzle Orifice: 0.28 mm

Nozzle Pressure: 1400-1800 psi.

HEALTH & SAFETY

All work involving the application and use of this product should be performed in compliance with all relevant National Health, Safety & Environmental standards and regulations.

Prior to use, obtain, consult and follow the Material Safety Data Sheet for this product concerning health and safety information. Read and follow all precautionary notices on the Material Safety Data Sheet and container labels. If you do not fully understand these warnings and instructions or if you can not strictly comply with them, do not use this product. Proper ventilation and protective measures must be provided during applying and drying to keep solvent vapour concentrations within safe limits and to protect against toxic or oxygen deficient hazards. Take precautions to avoid skin and eye contact (i.e wear gloves, goggles, face masks, barrier creams etc.) Actual safety measures are dependant on application methods and work environment. This is a solvent based paint and care should be taken to avoid inhalation of spray mist or vapor as well as contact between the wet paint and exposed skin or eyes.

IMPORTANT NOTES

1. Do not apply paint when temperature falls below 10°C or rises above 50°C and when Relative Humidity is above 85%, Do not apply during rain, fog, or mist.
2. Brushes and spray equipment should be cleaned with recommended thinner otherwise equipment is liable to damage.
3. Volume Solids will vary depending on shades. Products with different volume solids are also available on request.
4. DFT variation can be obtained by change in application method/thinning ratio. Contact our representative for further assistance.
5. Shelf life indicated is minimum for this Product and it is subjected to re-inspection thereafter. Individual component is required to be store in cool, dry and covered condition, away from heat and ignition.

DISCLAIMER

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The company will not be liable for loss or damage howsoever caused including liability to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.