

**OMPOXY F – 181 (EPOXY DTM PAINT)****PRODUCT DESCRIPTION**

Omproxy F – 181 is a two pack Air Drying Epoxy Paint cured with Amine hardner its Direct to Metal Paint hence Primer coat is not required It gives Massive DFT in one single coat it gives good chemical resistance and fair weather resistance. It can be used for High Performance Industrial use. It gives Excellent adhesion on MS.

**Resistance Guide****Chemical Resistance**

<b>Exposure</b>	<b>Splash and Spillages</b>	<b>Mild Fumes/outdoor Resistance</b>
Acids	Very Good	Very Good
Alkalis	Very Good	Very Good
Solvents	Excellent	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

**Temperature Resistance****Continuous:** 90° C**Intermittent:** 120° C**Weatherability:** Good**Flexibility** : Good**TYPICAL USES**

- Excellent adhesion on Steel surfaces
- Excellent resistance to Chemicals, Alkalis, Solvents & Salt Water
- Two pack cold cured
- Easy to apply

**TECHNICAL DATA**

TYPE	Two component Epoxy Paint
COMPOSITION	Epoxy Resin & Amine
MIXING RATIO	4 : 1 (BASE :HARDNER)
POT LIFE	6 to 8 Hours
APPLICATION	brush / Spray / Airless spray
VOLUME SOLIDS	70 ± 5
RECOMMENDED DFT	70 to 90 µ per coat
THEORETICAL COVERAGE	8 to 11 sq. met per coat per lit
DRYING TIME	Touch.....1/2Hour, handle .....3 to 5 Hours, Hard.....Overnight, Full 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 Ral / IS Shades or as per requirement
PACKING	25 Lit, 5 Lit, 4 Lit, 20 Lit
THINNER/CLEANER	OME 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.

**SURFACE PREPARATION**

Remove grease, oil and other contaminants preferably by using Degreasing solvent. Blast clean to a minimum of Sa 2 1/2 Swedish Standard SIS 05 5900 with a surface profile not exceeding 65 microns.

This can be applied as a top coat which is applied over suitable 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**

Stir the base thoroughly and then mix base and hardner in given 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 400 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 subtract. Use quality brushes for paint application.

### **For Air spray application:**

Thinner: OME T 101

Addition: 10-15%

Nozzle Orifice: 1 .2 -1 .4 mm

Nozzle Pressure: 40-70 psi

### **For Airless spray application:**

Thinner: OME 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 cannot 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 dependent on application methods and work environment. This is a solvent based paint and care should be taken to avoid inhalation of spray mist or vapour 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.