

## OMPOXY I – 121 (EPOXY INTERMEDIATE)

### PRODUCT DESCRIPTION

Omproxy I – 121 is a two pack Air Drying High Build Epoxy Intermediate formulated with Micaceous Iron Oxide cured with Phenalkamine hardner it gives Higher DFT. Recommended for OEM equipment manufacturers, Radiators, Transformers, Fertilizer plants, Refineries, Petro Chemical Plants etc. Recommended on variety of Surfaces after applying recommended primer.

### Resistance Guide

#### Chemical Resistance

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

#### Temperature Resistance

**Continuous:** 90° C

**Intermittent:** 120° C

**Weatherability:** Very good with suitable top coat

**Flexibility** : Good

### TYPICAL USES

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

**TECHNICAL DATA**

TYPE	Two component Epoxy Primer
COMPOSITION	Epoxy Resin & Phenalkamine
MIXING RATIO	3 :1 (BASE : HARDNER)
POT LIFE	4 to 5 Hours
APPLICATION	Brush / Spray / Airless spray
VOLUME SOLIDS	70% ± 3
RECOMMENDED DFT	90 to 110 µ per coat
THEORETICAL COVERAGE	06 to 08 sq. met per coat per lit
DRYING TIME	Touch.....1 Hour, 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	Red / Grey
PACKING	20 Lit, 4 Lit
THINNER/CLEANER	OME T - 101
FINISH	Matt
STORAGE LIFE	Up to 12 Months stored in cool, dry condition away from Flame and Sun in original sealed container as supplied.

**SURFACE PREPARATION**

To achieve long lasting adhesion to the substrate surface shall be clean, dry and free from any contamination. It is Intermediate coat so it will be applied on coated surface for that the surface must be clean, dry and undamaged compatible coating (ISO 12944-4 6.1.4)

## 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 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.