

PRODUCT DATA SHEET

Product Code 7557

MARIPOXY TL 500
HIGH BUILD CHEMICAL RESISTANT EPOXY COATING

Description	Maripoxy TL 500 is a two-component, amine adduct cured epoxy tank lining, which has excellent resistance to a variety of chemicals.
Uses	This is Chemical resistant coating meant for tank lining. It is resistant to Mineral oil products, selected range of chemicals, vegetable and animal oils & Fats etc. It is a non-toxic, Chemical resistant, anti-corrosive High Build coating suitable for Food and Chemical industries. It can be used for potable water tanks too. It is recommended to paint structural steel which is exposed to an aggressive chemical/corrosive environment. Maripoxy TL 500 can also be used on concrete floors to protect it from chemicals coming in contact due to spillage.

PHYSICAL PROPERTIES

Colour	Red, Grey and White
Finish	Matt, Smooth and Free from any surface defects
Density	1.40±0.02 Kg/Liter
Volume Solid %	50±2
Theoretical Coverage	About 6.7 Sq. Meter / Liter at 75 µm DFT (without loss factor)
Flash Point	25 °C
Touch Dry	4-6 Hours at 30 °C
Hard Dry	Overnight
Full Cure	7 days
VOC	440 ± 3 Grams /Liter
Service Temperature	Dry Heat 135°C and Wet Heat 50 °C water immersion.

APPLICATION DETAILS

Mixing Ratio - Base: Hardener	4:1 by Volume
Application Method	Airless Spray, Conventional Spray and Brush
Pot Life	1.5 Hours at 30°C (Pot Life will decrease with increase in room temperature and vice versa)
Nozzle Size	0.019"-0.021"
Pressure by Airless Spray	180-200 Bar
Dry Film Thickness (DFT) AS High Build Coating	75- 125 µm (viscosity can be adjusted to achieve required DFT, higher thinner intake will be required in conventional spray but thinning not to exceed more than 15% of thinner no 055)
Wet Film Thickness (WFT)	150 - 250 µm
Tank Lining DFT	Apply 3X75 µm DFT for good resistance to chemicals in case of prolong storage
Over coating Interval	Minimum – 6-8 at 30 °C Hours and Maximum 3 Weeks

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SURFACE PREPARATION	New steel: Surface should be free from all dust, dirt, oil and grease etc. Salts and other contaminants can be removed by high pressure freshwater wash. Substrate to be blasted to Sa 2 ½.
APPLICATION CONDITIONS	Avoid use of paint when atmospheric temperature is below 10 Deg. C. Temperature of Paint to be sprayed need to be maintained above 15 degree centigrade. Exposure to extremely low temperatures and high humidity during or immediately after application may result in improper curing which may affect the performance of the coating.
PREVIOUS COAT	None for tank lining (Direct on Metal). 2K Epoxy primer- Maripoxy 650 & 2K Epolac Primer can be used when painting steel structure.
SUBSEQUENT COAT	None. Maripoxy TL 500 is suitable for internal application, direct exposure to sunlight will cause fading and chalking.
CAUTION	Epoxy Paints are prone to Chalking and Fading on direct exposure to Sunlight. It is recommended to overcoat Epoxy primer/Mid Coat with PU Paint to get good outdoor durability and maintain aesthetics.
SAFETY	Maripoxy Epoxy Paints are solvent based products, user need to take safety precaution which are applicable to all the petroleum based inflammable products. Painting should be done in open and ventilated place. Use Foam based fire extinguishers in case of fire. Keep it away from direct fire/ flame and store the product under the shade below 35 degree Centigrade.

Issued By Marigold Paints Private Limited,

The Product is for Industrial use only. Product data given here *is correct to the best of our knowledge but their accuracy may vary depending upon the quality of the substrate, application parameters and atmospheric conditions affecting the performance of the product. Therefore the users are advised to make their own tests to determine the suitability of products for their own purposes under present conditions.*

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