

Epoxy Protective Tank Lining Coating for Steel, Metal, Iron & Zinc. High Performance, Chemical Resistance, Protection against Corrosion & Scratch Resistance.

Thickness Applied: From 0.25mm to 1.00mm thick

Product Application: **Epo Bond Tank L** is solvent-free based epoxy resin contains a non-ionic emulsifier. Offers high hardness, scratch with chemical resistance and protection against anti-rust & corrosion. The coating has applied on all types of steel, metal & iron surfaces system.

Advantage & Properties: The specific advantage offered by calcium phosphosilicate. Very good adhesion, the system recommended for tank lining coating as steel, metal, iron & zinc also be applied on other mineral substrates, as stones, bricks, fibre-glass, plaster or even tiles and glass.

Ultraviolet Resistance: **Non reflection to eye and no yellowing after 100 hours.**

- ❖ Adhesion is always good on steel, metal, iron, zinc, mineral substrates surfacing.
- ❖ Very good flow mechanical properties following optimal cure.
- ❖ Good in no dust from substrate coatings easy to clean, improved visibility.
- ❖ Excellent of chemical resistance, Good on hygienic for surfacing.
- ❖ Non-toxic, the primer coating has been cured applied on health.

The chemical composition of resin and hardener is such that it is approval for food contact applications in accordance with recommendations made by the Federal German Board of health (Bundesgesundheitsamt)

Mechanical Performance of Properties

		<u>Epo Bond Tank L-LV</u>	<u>Epo Bond Tank L-HV</u>
Compressive Strength	[N/mm2]	60 (± 3)	62 (± 3)
Tensile Strength	[N/mm2]	11 (± 3)	11 (± 3)
Elongation at Break	[%]	3.20-5.50	3.25-5.75
Bond Strength	[N/mm2]	< 1.10	<1.10
V O C	[%]	0.00	0.00
Traffic Cured	[hour]	> 3	> 3
Bonding cured	[min]	25	25
Viscosity	[mPas]	6000-12000	50000-75000
Abrasion Resistance	[mg]	80	80
Gravity	[g/cm3]	> 1.10	> 1.10
Modulus of Elasticity	[N/mm2]	5200	5200
Service Temperature	[°C]	- 05 °C - 60 °C	- 05 °C - 60 °C
Application Temperature	[°C]	10 °C - 38 °C	10 °C - 38 °C
Test of Temperature	[°C]	at 25	

Surface Preparation	Surface to be repaired or sealed must be clean and sound. Surfaces must be free of dust, laitance, sealers, grease and other bond inhibiting contaminants. Steel surface shall be sand-blasted to SS. Epo Bond Anti Rust Primer , it's easy to applied, therefore using roller or brush or air-less spray on Surfacing. Application must be made in single layer coats, with layer coat coverage from 8 - 10 sq. meter/kg Epo Bond Tank L , it's easy to applied, therefore using roller or brush or air-less spray on Surfacing. Application must be made in single layer coats, with a layer coat coverage from 1.80 – 4.00 sq. meter/kg
Packing & Size:	10 kg per pack
Coverage:	1.80 – 4.00 sq. meter/kg/per layers
Consumption:	0.28-1.15kg/m2
Mixing:	Supplied as two-component system. Mix materials with low speed drill and paddle for approximately [2] two minutes. Insure a thorough mix. Never mix more material than can be used in ten (10) minutes. Do not apply Epoxy when ambient or surface temperatures are below 50 °F
Available of Color	Grey & White is standard color Other require color base on Beige, Green, Blue, Cotta Red & Yellow
Storage	12 months from date of manufacture in original sealed container stored undercover 25 °C, at ambient temperature away from heat, and dry conditions. For clearing equipment, use special solvent liquid.
Handling Precautions	Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product safety data sheets and the brochure "Hygienic Precautions for Handling Plastic Products"

The General Term & Conditions

All recommendations for use of our product, whether given by us in writing, verbally, or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Notwithstanding any such recommendations the Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for this intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility therefore. The Buyer shall ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with and subject to our general conditions of supply.

The above mentioned details Specified key data are individually checked throughout, guarantee, and included in the certificates of Analysis (CoAs). & Typical key data are spot checked, the value are typical for the product and are indicated for information only. The values are not guaranteed or included in the CoAs.

**LaMaCo System Sdn Bhd**

407, Jalan Perusahaan 6, Taman Bandar Baru Mergong,
05150 Alor Setar, Kedah. Malaysia

Tel : +60-4-771 1111

Fax : +60-4-772 4444

Http : www.lamaco.com

Email : info@lamaco.com