

Epo Bond Tank L

Data Sheet

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/mm ²]	60 (± 3)	62 (± 3)
Tensile Strength	[N/mm ²]	11 (± 3)	11 (± 3)
Elongation at Break	[%]	3.20-5.50	3.25-5.75
Bond Strength	[N/mm ²]	< 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/cm ³]	>1.10	>1.10
Modulus of Elasticity	[N/mm ²]	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	

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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"
Important 1:	While the information and data sheet contained in this promotional literature are presented in good faith and believed to be reliable, they do not constitute a part of our terms and conditions of sales unless specifically incorporated in our Order acknowledgement. Nothing herein shall be deemed to constitute a warranty, express or implied, that said information or data sheet are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data sheet or products can be used without infringing patent of third parties.
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Health & Safety	Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets, available from LAMACO Malaysia on request and sent with each delivery.



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