

Epoxy Protective (Body or Finish) Coating (Sag Resistance) for Steel, Metal, Iron & Zinc. High Performance, Chemical Resistance, Protection against Corrosion, Scratch Resistance & Optimal Weather.

Thickness Applied: From 0.12mm to 0.18mm thick

Product Application: **Epo Bond SMI** is medium-viscosity water 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 & Flash Rust Inhibitor**. Very good adhesion, even on damp surfaces, the system recommended for 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

		Epo Bond SMI 75	Epo Bond SMI 150
Compressive Strength	25°C [N/mm2]	46 (± 3)	52 (± 3)
Tensile Strength	25°C [N/mm2]	12 (± 3)	13.50 (± 3)
Elongation at Break	25°C [%]	3.20-7.50	3.20-6.00
Bond Strength	25°C [N/mm2]	< 1.50	< 1.65
Flexural Strength	25°C [N/mm2]	20 (± 3)	23 (± 3)
Traffic Cured	25°C [hour]	< 6	< 6
Bonding cured	25°C [h]	01	01
Viscosity	25°C [mPas]	9200 (± 250)	9100 (± 250)
Abrasion Resistance	[mg]	80	80
Gravity	[g/cm3]	1.15	1.15
Modulus of Elasticity	[N/mm2]	5200	5200
Service Temperature	[°C]	- 05 °C until Max. 60 °C	
Application Temperature	[°C]	Min. 10 °C until Max. 38 °C	

Surface Preparation & Application

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 SMI, 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 6 - 8 sq. meter/kg

Packing & Size: 10 kg per pack

Coverage: 6-10 sq. meter per kg

Consumptions: 115-200g/m²

Mixing: Supplied as three-component system. Mix materials with low speed drill and paddle for approximately Four minutes. Insure a thorough mix. Never mix more material than can be used in thirty (30) 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.

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