

Epo Bond ASF Leveling

Conductive Leveling Floor Coat Data Sheet

Anti-Static Conductive Self-Leveling Floor, Solvent Free Epoxy Resin for General Flooring. High Strength & Performance for Chemical Resistance & Protection against Corrosion

Leveling Base applied 2.00mm – 5.00mm thick

DESCRIPTION

EPO BOND ASF Leveling is a three component, Electro Static Dissipative chemical resistant, epoxy + Sand. The semi-smoothing finish offers excellent abrasion resistance, chemical and stain resistance

EPO BOND ASF Leveling can be used well on horizontal surfaces. It is ideal for concrete floors in warehouse, storage facilities, aircraft hangars, animal housing, and vehicle maintenance facilities.

Available in both clear and pigmented formulations, **Epo Bond ASF Leveling** is used as a leveling course base option for most Epoxy Systems' Flooring Systems.

ADVANTAGES

- ❖ Excellent Abrasion Resistance
- ❖ Excellent Chemical & Stain Resistance
- ❖ Suitable for both Exterior & Interior Applications
- ❖ May be used for both Horizontal Applications
- ❖ Provides a conductive finish in the range of 1,000,000 to 1,000,000,000 Ω ohms resistance

CONSIDERATIONS

- ❖ Substrate temperature must be a minimum of 50°F
- ❖ Substrate must be free of dirt, waxes, curing agents, and other foreign materials
- ❖ Minimum Application Temperature: 40°F
- ❖ Maximum Application Temperature: 100°F

COMPOSITION

Three Component, chemical resistant Epoxy Resin Type

EPO BOND ASF Leveling is composed of 100% solids epoxy resin filled with a variety of graded ceramic fillers which provide the conductivity and performance required.

INSTALLATION

SURFACE PREPARATION New Reinforced Concrete

Surface to be repaired or sealed must be clean and sound. Concrete must be free of dust, laitence, sealers, grease and other bond inhibiting contaminants.

Concrete must cured at least 28 days and have with minimum Compressive Strength of 20 N/mm². Those cement slurry, plaster droppings, etc. must be remove, the surface of concrete free of oil, grease, and other loose particles and contamination's.

Epo Bond ASF Leveling, it's easy to applied, there for using roller or brush or by Air-Less Spray on R. C. Surfacing. Application must be made in [2] two layer coats with, one layer coat pf **Epo Bond Primer (Refer to Coverage Chart)**

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Existing Reinforced Concrete & Steel

Surface to be repaired or sealed must be clean and sound. Concrete must be free of dust, laitence, sealers, grease and other bond inhibiting contaminants.

Reinforced Concrete surface shall be "Sand-blasted to SS 2 Standard" recommended for priming.

OR

Reinforced Concrete surface shall be done by "Diamond Blade Grinder" recommended for priming.

Concrete Floor Slab must cured at least 28 days and have with minimum Compressive Strength of 20 N/mm². Those cement slurry, plaster droppings, etc. must be remove, the surface of concrete free of oil, grease, and other loose particles and contamination's.

Epo Bond ASF Leveling, it's easy to applied, there for using roller or brush or by Air-Less Spray on R. C. Surfacing. Application must be made in [2] two layer coats with, one layer coat pf **Epo Bond Primer (Refer to Coverage Chart)**

APPLICATION

EPO BOND ASF Leveling is normally applied with a steel or wood trowel

PACKING

30 kg pack

COVERAGE

EPO BOND ASF Leveling approximately 1.60-1.85kg/m²/mm thick

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.

Composition / Dosage Application Details

Base Mortar & Wearing Course/Finish Coat	Recommended Products	Consumptions	Require of Thickness
Repair Patching	Epo Bond Mortar or Cem Strength	1.85 - 1.95kg/m ² /mm thick or 1.65 - 1.70kg/m ² /mm thick	0-50mm
Crack Surfaces	Epo Inject Kit	0.50 - 1.50kg/linear meter	Crack width 0.2-5.00mm
Putty	Epo Bond Putty	1.00 - 0.40kg/m ²	0.2-0.35mm
Primer	Epo Bond Primer	0.25 - 0.40kg/m ²	0.2-0.35mm
Anti-Static Conductive Wearing Course System	Epo Bond ASF Grout	1.70 - 2.00kg/m ² /mm thick	0-15mm
Anti-Static Conductive Leveling Coat System	Epo Bond ASF Leveling	1.60 - 1.85kg/m ² /mm thick	2-5mm
Anti-Static Conductive Film Coat System	Epo Bond ASF	0.85 - 1.50kg/m ²	0.70-1.25mm

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Properties of Technical Data Sheet			Epo Bond ASF Leveling	
Electrostatic Behaviour	EN 1081	25°C	Resistance to Earth R _E	< 10 ⁶ Ω
Compressive Strength	EN 196-1	14 days of 25°C	Mpa	> 81
Flexural Strength	EN 196-1	14 days of 25°C	Mpa	> 53±3
Bond Strength	ISO 4624	14 days of 25°C	Mpa	> 1.50
Abrasion Resistance	DIN 53109	10 days of 25°C	wheel/1000g/1000 cycles Taber Abrader Test	25mg
Density	EN 2811-1		cm/m ³	>1.60
Solid Content			%	100 by weight
Viscosity		25°C	mPas	10000
Volatile Organic Content			VOC	0

Property for Cured/Dry Time

Pot Life	<1.50 hours @ 25°C
Dry to Touch	>6-10 hours @ 25°C
Re-Coat	>12-16 hours @ 25°C
Light Service	>12 hours @ 25°C
Full Cure & Maximum Resistance	1-3 days

CHEMICAL RESISTANCE

<u>REAGENT</u>	<u>RATING</u>	<u>REAGENT</u>	<u>RATING</u>
Acetic Acid-5%	L	Iodine	R
Acetone	L	Lactic Acid-15%	R
Betadine	R	Methyl Ethyl Ketone	L
Beer	R	Nitric Acid-10%	R
Bleach	L	Orange Juice	R
Brake Fluid	R	Peroxide-35%	R
Citric Acid-30%	R	Phosphoric Acid-85%	L
Citric Acid-40%	L	Skydrol	R
Crude Oil	R	Sodium Hydroxide-50%	R
Diesel Fuel	R	Sulfuric Acid-20%	R
Ethylene Glycol	R	Toluene	R
Fatty Acids	L	Urea	R
Gasoline	R	Vinegar	L
Hydrochloric Acid-15%	R	Xylene	R

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with xylene or lacquer thinner.

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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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