

Anti-Static Conductive Floor Coating, Solvent Free Epoxy Resin for General Flooring and Wall. High Performance, Chemical Resistance & Protection against Corrosion

Thin Film Coat applied 0.70mm – 1.25mm thick

DESCRIPTION

EPO BOND ASF is a two component, Electro Static Dissipative chemical resistant, epoxy coating. The semi-gloss finish offers excellent abrasion resistance, chemical and stain resistance, and superior color retention.

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

Available in both clear and pigmented formulations, **Epo Bond ASF** is used as a finish coating 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 & Vertical 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

Two Component, chemical resistant Epoxy Resin Type
EPO BOND ASF is composed of 100% solids epoxy resin filled with a variety of graded ceramic fillers which provide the conductivity and performance required.

COLOR

Gray, Green, Cotta Red, Yellow & Brown

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, 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)**

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, 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 is normally applied with a brush, short napped roller, or squeegee and back-rolled with a short nap roller. Care should be taken to minimize the entrapment of air caused by over-rolling. **EPO BOND ASF** can also be applied by airless or conventional spray or brush or roller.

PACKING

5 kg or 10 kg pack

COVERAGE

EPO BOND ASF will yield approximately 0.75-1.50 kg/m²

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 |

Properties of Technical Data Sheet

Epo Bond ASF

| | | | | |
|--------------------------|-----------|-----------------|---|---------------------|
| 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 | > 80 |
| Flexural Strength | EN 196-1 | 14 days of 25°C | Mpa | > 54 |
| Bond Strength | ISO 4624 | 14 days of 25°C | Mpa | > 1.50 |
| Shore D Hardness | DIN 53505 | 7 days of 25°C | | 81 |
| Abrasion Resistance | DIN 53109 | 10 days of 25°C | wheel/1000g/1000 cycles Taber Abrader Test | 40mg |
| Density | EN 2811-1 | | cm/m ³ | 1.08 |
| Solid Content | | | % | 100 by weight |
| Viscosity | | 25°C | mPas | 5000 |
| Volatile Organic Content | | | VOC | 0 |

Property for Cured/Dry Time

| | |
|--------------------------------|---------------------|
| Pot Life | <8 hours @ 25°C |
| Dry to Touch | >10-14 hours @ 25°C |
| Re-Coat | >12-16 hours @ 25°C |
| Light Service | >16 hours @ 25°C |
| Full Cure & Maximum Resistance | 5-10 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.

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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