

**Wearing Course of Conductive Floor Grout, Solvent Free Epoxy Resin for General Flooring. Ultra High Strength & Performance for Chemical Resistance & Protection against Corrosion****Wearing Course Base applied 0.00mm – 15.00mm thick****DESCRIPTION**

**Epo Bond Grout** is a three component, Electro Static Dissipative chemical resistant, epoxy + Aggregate. The semi-texture finish offers excellent abrasion resistance, chemical and stain resistance

**Epo Bond Grout** 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 Grout** is used as a wearing 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 Grout** 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/mm<sup>2</sup>. 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 Grout**, 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/mm<sup>2</sup>. 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 Grout**, 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 Grout** is normally applied with a steel or wood trowel

**PACKING**

30 kg pack

**COVERAGE**

**Epo Bond Grout** approximately 1.70-2.00kg/m<sup>2</sup>/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	<b>Epo Bond Mortar</b> or <b>Cem Strength</b>	1.85 - 1.95kg/m <sup>2</sup> /mm thick or 1.65 - 1.70kg/m <sup>2</sup> /mm thick	0-50mm
Crack Surfaces	<b>Epo Inject Kit</b>	0.50 - 1.50kg/linear meter	Crack width 0.2-5.00mm
Putty	<b>Epo Bond Putty</b>	1.00 - 0.40kg/m <sup>2</sup>	0.2-0.35mm
Primer	<b>Epo Bond Primer</b>	0.25 - 0.40kg/m <sup>2</sup>	0.2-0.35mm
Conductive Wearing Course System	<b>Epo Bond Grout</b>	1.70 - 2.00kg/m <sup>2</sup> /mm thick	0-15mm

**Properties of Technical Data Sheet**

**Epo Bond Grout**

Electrostatic Behaviour	EN 1081	25°C	Resistance to Earth R <sub>E</sub>	< 10 <sup>6</sup> Ω
Compressive Strength	EN 196-1	14 days of 25°C	Mpa	> 95
Flexural Strength	EN 196-1	14 days of 25°C	Mpa	> 58±5
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	02mg
Density	EN 2811-1		cm/m <sup>3</sup>	>1.70
Solid Content			%	100 by weight
Viscosity		25°C	mPas	23000
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.

**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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