JCC PRODUCT DATA SHEET

JAZEFLOOR CONDUCTIVE-AS

Epoxy Resin Static Conductive floor with Resistance between 5 x 10^4 and 1 x 10^4 ohms

Product Description

JAZEFLOOR CONDUCTIVE-AS is 2-component, solvent-free (100 % solid), 500 microns thick epoxy resin floor topping with controlled conductive properties. It will provide after application and curing a durable protective, sealing & decorative film with excellent static control, an excellent abrasion and impact resistance that is easy to-clean surface finish. It is based on selected epoxy resin & special hardener that resist amine blush. The product is available in wide range of standard colours or any colour upon request

Uses

JAZEFLOOR CONDUCTIVE-AS is suitable for use in areas where a static conductive with a resistance between 5 x 10^4 and 1 x 10^6 ohms is required as a measure to control static electricity. It suitable for areas where thick film is required such as:

- Electronic manufacturers and assembly
- Electric stations, houses rooms, OEM and computer rooms.
- Any flooring systems where controlled conductive properties are required.
- Dairies.
- Kitchens.
- Soft-drink bottling.
- Showrooms.
- Storage areas
- Garages
- Car parks
- Laboratories.
- Clean rooms
- All similar work

Advantages

- Static control provides static electricity with an effective passage to earth
- Easy to apply by suitable brush or roller.
- Solvent-free (100 % Solid), odourless.
- Highly durable.
- Excellent abrasion and impact resistance.
- Hygienic, impervious.
- Provides easily cleaned surfaces.
- Excellent adhesion to sound concrete & masonry substrates.
- High chemical resistant to most common chemical reagents.
- Formulated to be suitable for the Middle East Climates.

Standard

JAZEFLOOR CONDUCTIVE-AS has a surface resistance between 5 x 10^4 and 1 x 10^6 ohms when measured in accordance with ASTM F150-78

Technical Properties

Appearance	Pigmented free flowing liquid
Specific Gravity @20 °C	1.5– 1.7
Surface Resistance (ASTM F 150-78)	5 X 10^4 to 1 X 10^6
Bulk Resistance (ASTM F 150-78)	5 X 10^4 to 1 X 10^6
Solid Content	100 % by weight
Application temperature	5 – 35 °C.

JCC PRODUCT DATA SHEET

Time between recoating	maximum 36 hours.
Pot-life @ 25 °C	70 minutes.
Full cure @ 25 °C	7-days
Wet & dry film thickness	250 microns per coat
Abrasion resistance	100 mg as per as Taber Abrasive , 1000 grams / 1000 revolution.
Compressive strength	70 N/mm^2
Bond Strength	2.5 to 3 N/mm^2

Chemical Resistance JAZEFLOOR CONDUCTIVE-AS has been tested for chemical resistance to a comprehensive range of industrial & domestic chemicals. After constant immersion for 90-days @ 35 °C in accordance with ASTM D-2240 (Shore D hardness), the results are:

Acids			**Alkalis**		
Hydrochloric	20 %	Excellent	Sodium hydroxide	20 %	Excellent
Sulfuric	20 %	Excellent	Sodium Carbonate	20 %	Excellent
Nitric	20 %	Good	Ammonia	10 %	Excellent
Acetic	10 %	Excellent	Potassium Hydroxide	20 %	Excellent
Lactic	10 %	Excellent	Sodium Hypochlorite	15 %	Excellent
Citric	10 %	Excellent			

Solvents & Oils			
Ethanol	Excellent	Soya Bean Oil	Excellent
Ethyl Glycol	Excellent	Vegetable Oil	Excellent
White spirit	Excellent	Detergent	Excellent
Petrol & Diesel Oil	Excellent	Fat	Excellent
Coconut oil	Excellent	Milk	Excellent
Cotton Seed Oil	Excellent	Pine Oil	Excellent
Soya Bean Oil	Excellent	Linseed Oil	Excellent
Silicates	Excellent	Water	Excellent

For Specific Chemical reagent, please ask for technical support.

Coverage About 3 m^2 per Kg per 500 microns wet film thickness per coat. Two coats are recommended.

Guide for Applications

Surface Preparation

All surfaces shall be sound, clean free from dust, grease & oils, curing agents & mould releasing agents or other materials may affect the bond of the product and the substrates. Steel or metal surfaces should be free from rust, scale or other contaminants.

Priming

JAZEPRIME- AS shall be used prior to the application (See separate data Sheet)

Mixing

Stir each component of JAZEFLOOR CONDUCTIVE-AS well before mixing. Pour Component-A into the Component-B and mix well for 2 -5 minutes until uniform consistency & colour is achieved.

Application

Apply the mixed materials of JAZEFLOOR CONDUCTIVE-AS onto prepared & primed substrates using suitable brush, roller or airless spray method for large areas
Apply the second coat after application of the first coat with 12 hours.

Packaging

JAZEFLOOR CONDUCTIVE-AS is supplied in 5 Kg, 6-Kg and 18-Kg Kits.

JCC PRODUCT DATA SHEET

Storage & Shelf-life

JAZEFLOOR CONDUCTIVE-AS shall be stored in normal conditions away from any extreme temperatures, Shelf – life is 24 months if stored properly.

Health & Safety

- JAZEFLOOR CONDUCTIVE-AS non-toxic, non-corrosive, and non-dangerous.
- For Ecology: Do not dispose directly to water or soil. Mix Component A with Component B and wait till hardening, then burry in landfill in accordance with the local regulations.
- Splashes on skin will be washed with water and soap.