

CHEMEBOND DEF DI – ELECTRIC FLOORING

High Build - High Breakdown Voltage Solvent free Epoxy Insulation Coating

Product Description:

CHEMEBOND DEF is a Di-electric Flooring (Substitute to Rubber mat) to be applied against Electrical panels, It is solvent free Self levelling and high build product, It has a High Breakdown Voltage (BDV) properties.

- High Breakdown Voltage in Air 46.1kV
- Withstand AC Proof of Voltage - 3 Minutes @ 22kV
- Leakage Current - 3.1mA @ 33kV
- Tested @ ERDA Vadodara

- Ultra high dielectric strength & insulation resistance.
- High build – high adhesion.
- Smooth, glossy finish.
- Tough, wear & weather resistant.
- Easy to apply /install, clean, repair.
- Excellent chemical resistance.



Properties:

Average Thickness	: 0.5 to 5 mm
Application	: Serrated Trowel
Finish	: Gloss/Semi Gloss
Pot Life @ 30°C	: 25 - 30 mins
Compressive Strength (ASTM D 695)	: > 165N/mm ²
Flexural Strength (ASTM C 580)	: > 40 Mpa
Tensile Strength (ASTM C 307)	: > 30 Mpa
Bond Strength to Concrete (ASTM D 4541)	: (Elcometer pull of test) Exceeds Tensile strength of concrete.)
Hardness, Shore D (ASTM D 2240)	: 80
Taber Abrasion Loss/1000 Cycles	: 40 mg (CS-17 Wheels) (ASTM D 4060)

Applications:

(A) Dielectric Flooring

Self Leveling, high gloss, seamless, dielectric flooring will provide reliable safety against injuries caused by electrical leakage & tracking, easy installation cleaning & repair, clean, provides dust – free atmosphere in panel rooms, Long lasting & durable.

- Provides protection against electrical leakages & the resultant human risk in high voltage substations - switchgear panels, VCB's, battery rooms, marshaling box flooring.
- Enables improvement in both aesthetics & safety.
- The product can be used for total safety of workmen for electric shock while working in OR around environment like in front of main switch board / Substation / Power transmission room/near bus bar/near control panel as well as other control equipment of 3.3 KV (AC), 6.6 KV (AC), 11 KV (AC), 33 KV (AC) and 240 volt (DC) in place of insulating mate.

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Uses:

CHEMEBOND DEF is a Di-electric flooring and can give abrasion/Chemical Resistant and enhance aesthetic value. It is useful all Industries like Pharmaceutical, Glass Industries, Cement Industries, Hydrocarbon Industries, Food Processing units, Tyre Industries, Oil & Gas Refineries , Automobile sectors, Nuclear Power plants etc. all industries.

Features:

Chemical Resistant

It has excellent chemical resistance.

Wear Resistant

It provides a tough floor topping to withstand foot load and trolley movements.

Aesthetics

It is available in various color shades to provide attractive floor finish.

SUBSTRATE REQUIREMENTS

- Substrate should have minimum strength of M - 20.
- All contamination must be removed to give a clean dry textured surface.
- Must be free from rising dampness.
- Moisture should be less than 5%.

Self Life:

CHEMEBOND DEF has a shelf life of 12 months if kept in warehouse conditions at 30°C in the original, unopened pack.

Storage Conditions:

Store in dry conditions between 3°C and 30°C, away from sources of heat and naked flames, in the original, unopened packs. If stored at high temperatures the shelf life will be reduced.

Handling & Safety:

Keep the containers tightly sealed when not in use. Avoid skin contact and inhalation of fumes (if any). While spraying it is advised to wear a mask. If it comes in contact with the body, wash affected parts with plenty of water. In case of persistent irritation, contact a physician.

Curing Time:

Initial Cure	: 6 Hours
Full Mech. Cure	: 48 Hours
Ready for use To walk	: 24 Hours
To light traffic	: 48 Hours
Full Chemical Cure	: 7 Days

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