

MORSUN SELF-LEVELING DI-ELECTRIC/INSULATION EPOXY FLOOR COATING

PRODUCT CODE
MCS-FC-672
PRODUCT DESCRIPTION

Dielectric/Insulation Epoxy Floor Coating High performance, Solvent-free high build, high adhesion, Self-leveling, Solvent free topcoat dielectric insulation epoxy coatings are designed to provide high dielectric strength and electrical insulation for various applications. It is ideal for high-voltage environments. It gives a smooth, Glossy Insulation floor finish. Easy to clean ensuring dust free and hygienic areas. Key benefits of this floor coating include: • High Dielectric Strength and Insulation: Unique Breakdown voltage -2.16 Kv/mm at 25 °C and 55% RH • Durable and Impact Resistant: • General Chemical Resistance • High Adhesion and Excellent wearing property • Seamless and Hygienic: High corrosion protection to metals • Water impermeable floor finish • SolventFree and EcoFriendly: • Thermal Stability: SelfLeveling

TECHNICAL DATA

Certification	ERDA APPROVED
Typical Application	• Power Industries • Switchgear Panels • Battery Rooms • Control Panels • VCB's • Electrical Substations • Marshalling box flooring • FRP Structures
Colour (Limited)	As per Colour Shade
Finish	Smooth Glossy
Mixing Ratio	B : H 4.50 : 1 by wt./3:1 by Volume
DFT/Coat	2 mm
Dielectric Strength	(ASTM D149-09 RA 2013) 2.16 Kv /mm at 25 °C and 55% RH
Pot Life	30 Minutes
Theoretical Covering	1 M2 @ 1000μ / 1 M2 for 1 mm 8. Light Traffic load : 72 hours minimum
Full Cure (Heavy Traffic)	7 days
Compressive Strength	450 – 500 kg. /cm2
Flexural Strength	300 – 325 kg. /cm2
Tensile Strength	125-150 kg/cm2
Elongation Break	5 – 6%
Adhesion to Concrete	30 kg. / cm2 APPLICATION INSTRUCTIONS Di-electric Epoxy Flooring System is applied in three stages
Stage 1	A thin Primer / Sealer coat (tack coat) is applied on the dust free, oil free concrete surface for adhesion and bonding. This is a mist coat to wet and seal the substrate
Stage 2	A 450-500 microns trowel coat is laid on the primed surface with trowel and roll a spiked roller on the material to help it level properly to get a smooth semi glossy finish
Stage 3	Allow the trowel coat to cure for at least 18-24 hours before recoating. Please note that topcoat is applied only after drying of the earlier coats
Storage	Store in cool, dry conditions in original tightly sealed containers
Shelf Life	12 months in sealed container stored at room temperature
Safety	These coating systems are for industrial use only. Avoid eye contact. Do not ingest or inhale. Follow all material safety procedures and special precautions

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