TECSIT
CHEMISTRY FOR BUILDING

DISSIPAV

EPOXY CONDUCTIVE COATING

Description

Tecsit Dissipav is a two-component, water-based epoxy coating. Designed as a layer conductive, it creates an effective protection against ESD events (Electro Static Discharge, or discharges electric). The antistatic / dissipative resin systems have a resistivity between 105 and 109 ohms and they are generally installed in areas where the accumulation of electrostatics can damage the machinery.

Fields of use

- Industrial floors;
- Concrete floors;
- Laboratories,
- Hospital rooms;
- Research laboratories;
- Automotive industry;
- Hangar or hangar;
- Deposits of flammable substances;

Product datas

Base	Water based
Catalysis ratio	Two-component
Mix ratio	60 : 40
Composition	Epoxy resins
Aspect	Viscous liquid
Specific weight	1,5 kg/lt
Dry residual	88,0%
Dilution	-
Pot Life	30 min

Consumption

0.25 kg / m2 (applied in two layers)

This consumption is based on application on a smooth surface and in excellent condition. Factors such as, an extremely porous surface, temperature, degree of humidity and methods of application, can alter the consumption of the product.

Colors

Tecsit Dissipav is available in color:
- Black

Packaging

Tecsit Dissipav is available in packaging of:
- 10,0 kg (6 + 4)

Storage

The product must be kept closed in original packagings, sealed and stored in a fresh and dry place for maximum 12 months at a temperature +5/+25 C. Please refer to SDS and label of the packaging too.

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Technical datas			
	Electrical resistivity	< 1 x 10^6 Ohm	
	Temperature resistance	+150°C	-
	Viscosity	Thixotropic	-
	Resistance to aggressive chemicals	Good	-
	Resistance to direct sunlight	Sensitive to direct sunlight	-
	Second coat application	72 h max	-

Application	
Preparation of the substrate	The preparation of the base is essential for an excellent result and a long life. Substrate must be perfectly dry, clean, compact, cohesive and free from any contamination (dirt, dust, fats, oils, paints, saline efflorescence, moss, vegetation, etc.) that can in some way affect the adhesion of the membrane. The relative humidity of the substrate must not exceed 5% (to establish the degree of humidity, a digital hygrometer or a hygrometer must be used). • **Concrete substrates, cemento screed:** depending on the type of substrate, it is necessary to prepare properly surfaces by sandblasting, shot peening, mechanical scarifying, bush hammering or other method to be evaluated according to the specific case. Any holes or cracks must be restored previously with suitable products (Tecsit Polyjoint MM or Tecsit Epiconcrete) to be chosen based on thicknesses to restore. Before laying the system, pay particular attention to the expansion joints, the connections between horizontal and vertical surfaces that must be suitably treated with polyurethane sealant medium modulus (Tecsit Polyjoint MM).
Primer	The use of primer is essential in order to increase adhesion of the product to the substrate and create a vapour barrier. The primers recommended for use with Tecsit Dissipav are: • Tecsit Primer Wpox (porous substrates, slippery concrete, CLS) • Tecsit ECT (wet substrates) The consumption of the primer is directly proportional to the porosity of the substrate to be primed. Before apply the product make sure that the primer is hardened (dust free). It is important to apply the product no later than 72 hours after applying the primer; if this is not possible, you need a new primer application.
Product preparation	Mix the Tecsit Dissipav component part A for a few minutes. Mix the Tecsit Dissipav component part B (catalyst) for a few minutes. Pour component B into the container of component A and continue mixing until completely homogenizations. After mixing, leave the material to stand for approx. 10 minutes. Avoid excessive times of mixing to reduce the amount of air incorporated. Tecsit Dissipav must be mixed with a low speed mechanical mixer. (drill and agitator with speed 300/400 rpm).
Product application	The product is applied with conventional techniques: roller or spatula. Tecsit Dissipav is applied in portions on the surface by a rubber spatula with a thin thickness (consumption approx. 80-120 g / m2 per coat), to be leveled with a short-haired roller. The formation of puddles during application should be avoided. To get good and smooth conductivity, as well as perfect hardening, be careful in making a homogeneous distribution of the product over the whole surface. Absolutely avoid adding quartz or agents to the mixture. The obtained layer must not be dusted with quartz sand. IMPORTANT: Tecsit Dissipav must never be sanded.
Cleaning equipment	Clean all tools and equipment immediately after use with water. The product hardened must be removed only mechanically.

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Warnings

- Do not apply the product at temperatures below 5 ° C;
- Do not apply if there is dew on the substrate;
- Do not apply on damp surfaces with residual humidity> 5% or subject to rising damp;
- Do not dilute the product with unsuitable solvents;
- Do not apply if the weather is wet;
- Do not apply if there is rain, mist or fog;
- Adhesion and compatibility on substrates is guaranteed only with Tecsit products;
- The data and values shown are to be considered valid only if combined with a Tecsit system;
- Same RAL codes but with different production batches may show slight chromatic variations.

Safety

For any Safety information please refer to the Tecsit SDS. Do not waste any empty packaging and product itself in environment after use.

PRODUCT FOR PROFESSIONAL USE

Legal notes

All the information of this document, even if supported by our experience, are purely indicative and must be supported by practical applications. So before using the product customers have to check if it is suitable for their purpose and anyway they take responsibility of its use by referring to TDS, available on our website www.tecsitsystem.com