EUROTEX TC 97 AS

2-component, electrostatically-conductive coating material for the EUROTEX system

Product description	**EUROTEX TC 97 AS** is a 2-component, polysulphide-based, electrostatically-conductive coating material for the EUROTEX system.
Area of application	- for production of an electrostatically conductive cover coating on EUROTEX TC 97 in storage, filling and handling facilities for water-polluting liquids - for repairs to EUROTEX system
Product characteristics	- resilient - resistant to numerous media as part of system - as a cover coating in combination with the conductive EUROTEX system with medium resistance (72 hrs) in accordance with WHG (German Water Resources Act) test groups - 1–5b, 7–7b, 9, 11 and 12 functions without a copper strip, only requires partial earthing
Colour	Black

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Substrate preparation

EUROTEX TC 97 AS is applied to cured EUROTEX TC 97 grey coating. Before application, the substrate must be dry and dust, oil and grease-free. The building component surface temperature must be at least 3°C above the dew point before applying the material. In addition, the material must be protected from direct contact with water for approximately 24 hours (at 20°C) after application. The handling guidelines for the EUROTEX system also apply.

Handling

EUROTEX TC 97 AS is supplied with the correct ratio of components A and B. Add all of component B to component A. Completely empty the component B container. Both components must be thoroughly mixed with a slow-running stirrer at approx. 300 rpm to achieve a homogeneous consistency and ensure intensive mixing. The temperature of both components must be between 15 and 25°C during the mixing process.
Make sure the contents at the bottom and sides of the mixing container are included. The mixing procedure must continue until a homogeneous, streak-free state is achieved.
Do not mix for less than 3 minutes. Do not work directly from the delivery container. After thorough mixing, pour the mixture into a second, clean container and mix again for approx. 1 minute. The material can then be applied by rolling, spreading or using an airless/air assisted sprayer.

One connection point with potential equalisation must be provided for approx. 100 m² of conductive coating. Bare copper wires (8 mm²) , at least 20 cm long, are first attached as compartments to the cured EUROTEX TC 97 with self-adhesive copper tape and attached to adjacent fixed, built-in components to prevent accidental movement. The previously glued conductive compartments are also coated with **EUROTEX TC 97 AS** during application. 0.5 l/m² is enough to achieve adequate conductivity. In addition to the ambient temperature, the substrate temperature is of vital importance in the handling of polysulphide coatings.

At low temperatures, the chemical reactions basically slow down; this also extends the processing, re-coating and walk-on times. At the same time, consumption per unit of area may increase due to increased viscosity.

At high temperatures the chemical reactions are faster so the times referred to above reduce. To allow the **EUROTEX TC 97 AS**

	to cure completely, the average temperature of the substrate must not be lower than the lowest handling or object temperature. In addition, the material must not be directly exposed to water for approximately 24 hours (at 20 °C) after application. During this period, water can negatively affect the surface, significantly reducing conductivity. The handling guidelines for the EUROTEX system also apply.
Cleaning	Fresh material can be removed from the tools with EUROLASTIC Cleaner G. Mechanical cleaning will be required if the material has fully cured.
Consumption	at least 0.5 l/m²
Packaging	**EUROTEX TC 97 AS** is delivered in 4 l containers.
Storage and shelf life	Store in a cool, dry place (+10°C to +25 °C). Under these conditions, the shelf life of unopened and undamaged original containers is 12 months.
Tests/ Approvals/Standards	- EU regulation 2004/42 (Deco Paint Directive) The product complies with EU Directive 2004/42/EG and contains less than the maximum VOC limit (version 2, 2010). According to EU Directive 2004/42, this upper limit for products in the category IIA/j type sb is 500 g/l (limit: version 2, 2010). The VOC content of **EUROTEX TC 97 AS** is < 500 g/l (workable material).
Special instructions/protective measures	**EUROTEX TC 97 AS** must only be processed in well ventilated areas. Suitable protective clothing must be worn when working. Waste and containers must be disposed of in a safe manner. Avoid release into the environment. Completely empty containers can be returned to the KBS/Interseroh recycling system. The instructions in the corresponding safety data sheet must be strictly observed.

Technical data*		
Technical properties	**Unit**	**Value**
Mixture ratio A: B	Parts by weight	100: 11.5
Binder basis		Polysulphide
Curing system		Manganese
Density	g/ml	approx. 1.74
Viscosity	mPa s	9,000 - 12,000
Processing time at 23°C/50% relative humidity	min	60
Walk-on-able at 23 °C	h	12
Curing at 23°C/50% relative humidity.	h	8-20
Object and processing temperature	°C °C	at least 5 max. 35
Temperature resistance (without chemical load)	%	80
After curing*		
Shore A hardness at 23°C		approx. 40
Temperature resistance (without chemical load)	°C	from -20 to +50

* These are approximate values. The values are not intended for the preparation of specifications.

The data was determined at +23°C and 50% relative humidity. These times may be longer or shorter at higher temperatures and/or relative humidities. All technical data, measurements and information in this data sheet are based on laboratory tests. Actual measured data may deviate in practice.