DUROGLASS AS

**STRATO DI FONDO ELETTRO-CONDUTTIVO
A BASE DI RESINE EPOSSIDICHE IN DISPERSIONE ACQUOSA
PER SISTEMI ANTISTATICI DISSIPATIVI E ESD**

CHARACTERISTICS

Product **solvent free** and harmful emissions.
Easy application by brush or roller.
Excellent adhesion to concrete surfaces, ceramic tiles, resin coatings.
It helps to obtain credits for **LEED certification.**
It meets the requirements set out in standard 13813 for synthetic resin-based screeds.

APPLICATION TEMPERATURE

Applicable **from +5° C to +40° C** of the substrate.

WORKING TEMPERATURE

Operating temperature **from -25° C to +110° C**.

FIELD OF APPLICATION

- Adhesion primer and filler for filling bottlenecks in concrete floors for self-leveling, conductive epoxy resin systems.
- Conductive base coat for creating antistatic film coatings by overlaying **DURO-GLASS PX-ESD or POLISTAR P867 CONDUCTIVE**.
- Smoothing base coat for filling discontinuities on old tiling **before applying self-levelling conductive resin coatings**.

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SUBSTRATE PREPARATION

- The surfaces to be treated must be sound, compact, and free of dust and foreign matter (dirt, oil, grease, release agents, etc.).
- The cementitious substrate, after adequate mechanical preparation, must have a surface tear strength greater than 1,5 MPa, measured using suitable equipment.
- For ceramic substrates or old resin coatings, after adequate mechanical preparation, proper adhesion to the substrate and the absence of traces of contaminants must be verified.

It is essential to roughen the surface before installation. The mechanical preparation method (sandblasting, sanding, shot blasting, or milling) should be chosen based on the substrate conditions and the type of covering to be used.

PRODUCT PREPARATION

Two-component product to be mixed thoroughly before use with a low-speed mechanical helical stirrer, operating as follows:

- Add component B to component A and mix until completely homogenized.

If to be used as a filler, add the third component and continue mixing until a smooth mixture is obtained.

DILUTION AND COLORING

Depending on the type of application, the product can be diluted 2-10% with water. The product is available in only one color.

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PRODUCT APPLICATION

DUROGLASS AS can be applied with:

- Brush
- Roller
- Spatula

As primer: The approximate consumption of **DUROGLASS AS,** diluted with 5-10% water, is 200-250 g/m².

As skim coat: The approximate consumption of **DUROGLASS AS**, either as is or diluted with 2-3% water, is 1-1,5 kg/m² maximum per coat.

If the application involves the use of copper strips, we recommend proceeding as follows: apply **DUROGLASS AS** directly on the substrate. Apply the copper mesh to the hardened product, taking care to press the strip with a rubber roller to promote adhesion. Catalyze **DUROGLASS AS** and apply a layer of product to the strip using a brush, taking care to cover it completely, extending beyond the edges. This treatment will prevent the strip from detaching and lifting during the application of the final coating, thus avoiding compromising the final result.

WARNINGS AND PRECAUTIONS

- Free and stagnant water coming from the substrate or from previous washing processes or from meteorological events must be removed or dried with appropriate means.

SAFETY AND CLEANING

When applying this product, it is recommended to wear safety glasses, rubber gloves, and all PPE required by current regulations for the use of chemicals.
After use tools must be washed with water.
For further information, please consult the product safety data sheet.

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TECHNICAL DATAS			
Type		PRIMER	SKIM COAT
Color		Black	Black
Specific weight	UNI EN ISO 2811-1	1,2 ± 0,03 kg/l	1,7 ± 0,03 kg/l
Viscosity a +20° C	EN ISO 2555	18.000 ± 4.000 mPas (Speed 10-Lane 5)	thixotropic paste
Mixing ratio by weight		A: 100 B: 70 C: -	A: 100 B: 70 C: 170
Pot life +20° C	UNI EN ISO 9514	60 minutes	60 minutes
Non-volatile substances	EN ISO 3251	58% in weight 49% in volume	80% in weight 68% in volume
Theoretical consumption		200-250 g/m²	1.000-1.500 g/m²
Theoretical thickness		80-100 µm	400-600 µm
Hardening +22° C, 50% R.H.		- Dry to the touch: 3 hours - Minimum overlap with itself: 16 hours - Minimum with self-leveling products: 48 hours - Fully cured: 10 days	
Adhesion to concrete	ASTM D 4541	> 3,5 MPa	
Surface resistance	UNI 8298 p.10[a]	< 0,001 M Ω	
Flash point		Dry: 59	
Storage		The product in its original sealed packaging, stored in a dry, protected place between +5° C and +35° C, can be stored for 12 months. Protect from frost.	