

## General information

DeraGLAZE EC300 is an epoxy based conductive coating for various industrial ESD applications. It is based on carbon black technology where very low resistance levels can be achieved.

It cures to form a hard, matt surface that has good resistance to water, acids and bases and is recommended to primer applications only. It is not recommended for applications where UV resistance is needed.

## Key properties

- ✓ matt black finish
- ✓ 2-component, solvent-free system
- ✓ dilutable with water

## Typical properties

- ✓ density [g/cm<sup>3</sup>] 1,2
- ✓ viscosity [25°C, mPas] 600
- ✓ VOC [g/ltr] 140

**DeraGLAZE EC300** is electrically dissipative and fulfills the ESD requirements of IEC 61340-5-1:2016

- ✓ resistance to ground < 10 kΩ IEC 61340-4-1:2004+AMD1:2015
- ✓ system resistance < 10 kΩ IEC 61340-4-5:2018
- ✓ voltage of the body < ± 100 V IEC 61340-4-5

## Applications

- ✓ primer coating for general purpose industrial ESD floors

## Usage

All surfaces must be dry and before application dust, oil or dirt is removed by appropriate means. If the substrate is in very bad condition, it is recommend pre-treating the surface by shot blasting or diamond grinding. Pre-treatment of the surfaces is highly recommended to get proper adhesion.

<i>substrate material</i>	<i>pre-treatment</i>	<i>primer / activator</i>
concrete	diamond grinding, shot blasting	DeraFLOW 100 + 20% Solvent 22
brick	high pressured water, drying	Fresh SA-1 + (DeraFLOW 100 + 20% Solvent 22)
steel	shot blasting, sanding	Fresh SA-1
gel coat, wood, MDF	sanding	--

The working temperature should be 15 – 24°C. Curing agent is supplied with resin part. Add the curing agent accordingly and mix the components well in given ratio (mechanical mixing unit is recommended, approx. 300 rpm). The mixing ratio is given in the label.

After mixing apply product with a roller. *Solvent 22* or *water* can used to adjust the viscosity. Clean tools with acetone or equivalent.

The coated surface must be protected from direct water contact for 12 – 15 hours after application. Surface is tack-free after 1 hour depending on the conditions. The product will reach complete cure within 14 days at room temperature.

## Storage & Handling

Keep tightly capped when not in use. Handle in a well-ventilated area. Store indoors at room temperature in the original containers kept tightly closed. Protect form direct sun light. Detailed safety information is contained in a material data safety sheet.