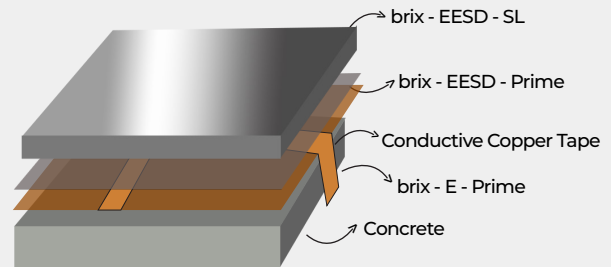


brix-EESD-SL is a pigmented, solvent-free, static dissipative, self smoothing epoxy floor coating system, designed to safely ground electrostatic discharge when used in an ESD control flooring system. brix-EESD-SL is typically applied in one coat in both fire protection areas and explosion proof zones.

Substrate Preparation

brix-EESD-SL is suitable for application on cementitious substrates and suitable polymer modified screeds. All substrates should be capable of bearing loads, free of cracks and voids as well as free from laitance, dust and other contamination including dirt, oil, grease, coatings, and surface treatments. The substrate should be sound with a minimum compressive strength of 25 N/mm² and a minimum tensile strength (pull-off) of 1.5 N/mm². The concrete substrate must be a minimum of 28 days old and the residual moisture content must be a maximum of 4% CM. Where the concrete substrate is in contact with the ground, an effective damp proof membrane should have been incorporated into the slab design.



Liquid Mixture

Specific Gravity

1.58 g/cm³

Application Temperature

10 – 30°C (min 3°C above dew point)

Shelf Life

12 months in closed original container

Fire Resistance

CHF Value – 6.6 kW/m²
Smoke Value – 398% (mean)

Temperature Resistance

Softens over 60°C

Abrasion Resistance

Taber Abrader (1 kg load using CS 17 wheels) – 80 mg loss per 1000 cycles

Compressive Strength

60 N/mm²

Application Instructions

Priming

If the slab requires priming, brix-E-Prime is recommended. See brix-E-Prime is recommended. 1-coat standard primer, 2-coat DPM. To improve inter-coat adhesion, broadcast Natural Quartz (0.2 – 0.5 mm) while the primer is still wet. Allow to cure before applying brix-EESD-Prime.

Mixing

The contents of the brix-EESD-SL (Part A) should be mixed for approximately 2 – 3 minutes. The contents of brix-EESD-SL (Part B) should be drained into the brix-EESD-SL (Part A) component and the two materials thoroughly mixed at speed of 350 rpm for two minutes. The mixed liquid should then be poured into a clean suitably sized separate mixing container and mixed for a further 1 – 2 minutes. Add the contents of the Filler C to the mixed resin and mix for a further three minutes or until homogenous.

Flexural Strength

40 N/mm²

Flexural Strength

25 N/mm²

Bond Strength

>1.5 MPa

Resistance to Earth

<1 x 10⁹ Ω

Application

brix-EESD-SL should be poured onto the surface and spread over the entire area using a serrated spatula or notched trowel at a rate of 1.50 – 1.80 kg/m² per mm thickness before being back-rolled with a spike roller to a self-smoothing gloss finish. Broadcast with Natural Quartz (0.7 – 1.2 mm) while the brix-EESD-SL coating is still wet if seeking a slip-resistant textured finish.

Overcoating

Overcoating should be carried out within 24 hours of application. If longer than 24 hours it will be necessary to lightly grind the surface by mechanical means before overcoating is carried out.

Further Information

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local regulations concerning the safe handling of epoxy resin based coating materials must be observed. Suitable protective clothing including suitable eye protection must be worn at all times.

All consumptions listed are for recommendation purposes only. Detailed application instructions and system build up advice can be provided on request through our Technical Services team. For the long term maintenance of the properties of polymer flooring materials, a regular cleaning and care program is recommended. Products are guaranteed against defective material and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request. For more information, please refer to individual product data sheets or contact our Technical Services team