brix-EESD-Prime

brix-EESD-Prime is a black, water based conductive primer.

brix-EESD-Prime should be diluted with a 10% water addition by weight of resin (combined Part A + Part B) prior to application.

brix-EESD-Prime is designed for use in both static-conductive and static-dissipative floor coating systems where any static charge generated by walking on the surface is safely grounded, eliminating both damage to sensitive components and / or explosion risk.

Specific Gravity

1.12 g/cm3 @ 25°C

Working Time

~15 – 25 minutes @ 25°C (usable working life of material following mixing and immediate spreading as per the application instructions)

Coverage

The recommended coverage of brix- EESD - Prime is 0.200 kg/m².

Application Temperature Range

~15 – 25°C is recommended. Outside of this range, heating or cooling equipment should be used to achieve ambient conditions. The substrate, before priming, should be at least 3°C above the dew point to reduce the risk of condensation or blooming. This should be maintained for 48 hours after application.

Overcoating Time

~24 hours @ 25°C (some mechanical preparation may be required).

Speed of Cure

Light Foot Traffic – 18 hours
Light Wheeled Traffic – 24 hours
Heavy Duty Traffic – 72 hours
Full Chemical Cure – 7 days

Storage

All components should be stored off the ground, in a cool dry area, away from direct sunlight between 10 – 30°C

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Substrate Requirements

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.

Substrate Preparation

brix-EESD-Prime must be applied onto a pre primed epoxy substrate. For the connection to earth points, use self-adhesive copper tape (min 50.0 cm a part). One earthing point is required for each 100m² area is recommended and a minimum of two earthing points per room.

Application Instructions

Mixing

The contents of the brix-EESD-Prime (Part B) should be drained into the brix-EESD-Primer (Part A) component and the two materials thoroughly mixed at a speed of 500 rpm for three minutes. The mixed liquid (including the water addition above) should then be poured into a clean suitably sized separate mixing container and mixed for a further 1 – 2 minutes.

Application

Spread the mixed brix-EESD-Prime across the substrate with a squeegee and back-roll with a short-pile roller.

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.

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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 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. 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.

www.ghanatiprojectsltd.com +91 (44) 247 4 8849 info@ghanatiprojectsltd.com