

FLOORSHIELD ESD PRIMER WB Conductive Primer

Updated Sept'22

FLOORSHIELD ESD PRIMER WB is a two-component water dispersed epoxy conductive primer, with high electrostatic conductivity, designed to receive conductive floor coating system.

Product Features:

- Highly electrostatic conductive.
- Good adhesion with concrete, and ESD topcoat
- Environmentally friendly with low VOC
- Easy to apply
- Solvent-free, less odour.

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Water based	Interior	Black colour	Concrete	Part A: 4.2kg Part B: 0.80 kg

Technical Data

Appearance / Colour	: Black Liquid
Specific Gravity	: 1.20 kg/L
Viscosity	: 4000 ± 200 cps
Solid Content	: 67 ± 2%
Recommended Thickness	: 100 ± 10um (dry film thickness)
Bond Strength	: > 1.5 MPa with concrete failure
Pot-life @ 28°C	: 30 min
Recoat time	: Within 14 to 18 hours
Coverage (diluted with 5% water by weight if necessary)	: 0.12kg/m2/per coat (100um)
Storage Condition	: Store in unopened, undamaged original container, protected from direct sunlight, at temperature between +5°C to 35°C.
Shelf Life	: 12 months
ESD Standard Compliance	: ANSI/ESD S-20.20-2007 & BS2050:1978

Application Method

Surface Preparation	: Substrate concrete or screed should be a minimum compressive strength of 25N/mm ² , and adhesive pull-off strength of minimum 1.5N/mm ² with concrete failure. The substrate must be clean, dry and free of all contaminants such as dirt, dust, oil, grease, loose material, coating and surface treatment. Concrete substrates must be prepared mechanically using abrasive blast cleaning, or scarifying equipment to remove cement laitance and achieve open textured surface. Crack and hollow should be properly remedied. Rough contaminants and high spots can be removed by grinding.
Mixing	: Stir Part A mechanically for 30 seconds, add in Part B and stir for another 1 minutes to achieve homogenous mixture. While stirring, slowly add in 5% of clean water and stir for another 1 minute and 30 seconds until uniform mixture is achieved.
Application	: FLOORSHIELD ESD PRIMER WB can be applied by suitable roller, brush or trowel, and overwork with a roller. It should be applied within the pot-life of 30 minutes at 28°C.
Cleaning	: Clean all tools and application equipment with water immediately after use.

Recommended System**Conductive System:**

Primer	: FLOORSHIELD ESD PRIMER WB	: 1 coat (100um)
Topcoat	: FloorShield ESD SF Epoxy Finish/ FloorShield ESD PU Finish / FloorShield ESD SL Epoxy Finish/ FloorShield ESD Ucreed MD	: 1-2 coats

Environmental Conditions During Application

- Do not apply when the substrate temperature is < 15°C and > 48°C.

Safety Precautions

- Keep container tightly closed and keep out of reach children or away from food and drink.
- In case of contact with eye, rinse with plenty of water immediately and seek medical advice.
- Remove splashes from skin by using soap or water.
- Product must always be stored in a cool place.
- When transporting, care must be taken. Always keep container in a secure upright position.
- Dispose any waste in accordance with the appropriate Environment Quality Regulations.

Note

The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself.
We reserve the right to alter the given without prior notice.