

weberprim EP MB 2711 ESD (2K)



weberprim EP Moisture Barrier 2711 ESD (2K) is a two-component, waterborne epoxy primer designed to enhance adhesion on high-moisture concrete surfaces while providing electrostatic discharge (ESD) control prior to the application of weberfloor EP Moisture Barrier 2701 ESD (3K).

Technical Data Sheet

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TECHNICAL DATA

Color	Slightly Black
Volume Solid	±20 % by weight
Dry Film Thickness	<20 Microns
Consumption	Approx. 110 gr/m ²
SG-Mix	1.05 gr/ml
Mixing ratio of multi-components products	Base : Hardener = 1 : 4 (by weight)

Packaging

Packaging 5 Kg/Set
• Component A: 1 Kg
• Component B: 4 Kg

Handling and Storage

The product must be stored in accordance with national regulation. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from the source of heat and ignition. Containers must be kept tightly closed. Handle with care, stir well before use.

Shelf life

At least 6 months when stored cool and dry

Substrate of Application

weberprim EP Moisture Barrier 2711 ESD (2K) is suitable for high-moisture concrete surfaces (≥ 6%) and should be applied wet-on-wet prior to weberfloor EP Moisture Barrier 2701 ESD (3K).

Product advantages

- Functions as part of a **complete ESD flooring solution** when used with weberfloor EP Moisture Barrier 2701 ESD (3K), weberprim EP 5701 ESD (2K), and weberfloor EP 723 ESD TC (2K) — ensuring reliable and consistent electrostatic discharge across the system
- Deep penetration into concrete to enhance adhesion of Weberfloor EP Moisture Barrier 2701 ESD (3K)
- Strengthens the concrete surface
- Eliminates static buildup

APPLICATION METHOD

1. Substrate Preparation

- Proper surface preparation is essential for optimal performance.
- Concrete must be clean, dry, trowel-finished, and free from contaminants such as dirt, oil, and grease.
- The substrate must be structurally sound with a minimum compressive strength of 30 N/mm² and a pull-off strength of at least 2.5 N/mm².
- Mechanical surface preparation is recommended, such as metal grinding or diamond/resin pad abrasion.

New Concrete Floors

- Concrete must be at least 28 days old before applying weberprim EP Moisture Barrier 2711 ESD (2K).
- Remove laitance and surface deposits using light grit blasting or mechanical grinding. For small areas, acid etching may be considered.
- After etching, thoroughly rinse with clean water and allow the surface to dry completely.
- To ensure good adhesion all contamination should be removed, and the surface thoroughly cleaned of all dust and loose debris.

Old Concrete Floors

- Use mechanical methods for surface preparation, especially in areas contaminated with oil, grease, or existing coatings.
- Contaminants may have penetrated several millimeters into the substrate; complete removal is essential to ensure adhesion.
- Thoroughly clean the surface to eliminate dust and loose debris.

2. Mixing and Blending Process

- Add the entire contents of component B to the component A and mix thoroughly for 1-2 minutes until homogeneous, using a slow speed drill (200-400 rpm) fitted with a suitable mixing paddle.

3. Application

- Apply weberprim EP Moisture Barrier 2711 ESD (2K) with a brush or roller, working it into the surface. After 10 minutes (wet-on-wet), apply the weberfloor EP Moisture Barrier 2701 ESD (3K).

Constraints / Pay attention

Keep away from heat, spark and open flames. Avoid breathing of vapour on skin and eye contact. Keep container closed and store in a cool, ventilated area when not in use. Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against toxic hazard. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined and enclosed space, such as tank interior and building.

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