

Technical Data Sheet

FS-EP-PRIMER

Epoxy Primer

DESCRIPTION

FS-EP-PRIMER is a solvent-free, low viscosity, two-component epoxy primer.

It is designed to seal the porosity of the substrate prior to installing resin-based coatings, self-levelling toppings and screeds.

FEATURES

- Primer for use with epoxy-based flooring systems
- Seals substrate porosity
- Allows the subsequent coating to achieve the correct dry film thickness
- Low viscosity — penetrates into the concrete substrate for a better bond
- Long pot life
- Supplied in pre-measured packs for ease of mixing and consistency on site

PHYSICAL PROPERTIES

(Values determined at $27 \pm 1^\circ\text{C}$)

Application Temperature	10°C – 35°C
Pot Life	65 minutes
Recommended Coats	Minimum 2 coats
Walkability	24 hours
Full Cure Time	7 days
Bond Strength	> 2.5 N/mm ²
Mix Density	1.05 g/cc
Recoat Time	12-24 Hours depending upon ambient temperature and humidity.
VOC Content	7 g/L

PACK SIZE & COVERAGE

Pack Size	5 kg
Part A	3.30 kg
Part B	1.70 kg
Coverage	Approx. 5 m ² /kg/coat

Application Instructions

SUBSTRATE PREPARATION

The concrete or screed substrate must be hard, sound and free of dust and other barrier materials such as paint, curing agents and laitance, which would inhibit adhesion to the substrate.

Use a degreaser to remove polish, wax, grease, oil and similar contaminants prior to mechanical preparation. Contaminated concrete surfaces should be mechanically prepared — by scabbling, grinding, contained shot blasting or similar — and vacuumed clean before applying FS-EPP-2R. Over-watered or otherwise weak concrete must also be prepared down to sound, solid concrete by mechanical methods. Dust and debris should be removed using vacuum equipment.

MIXING

Thoroughly stir the individual contents of Part A and Part B before mixing together. Pour the entire contents of Part B into Part A and mix thoroughly for at least 3 minutes using a heavy-duty, slow-speed drill and spiral paddle.

To ensure all material is fully incorporated, return some of the mixed product back into the empty Part B container to pick up any residue, then pour it back into the main mixing vessel and re-mix for a further 30 seconds. Mixing in this way ensures product consistency and allows any resin remaining in the containers to cure for easier disposal.



APPLICATION

Once mixed, spread the material over the floor promptly, as self-heating within the container will reduce working time. Apply using a brush or a short/medium pile roller.

Two or more coats may be required to achieve a uniform coating and to compensate for differences in substrate porosity.

Allow FS-EPP-2R to dry before installing the final floor finish — typically 24 hours.

CLEANING

Remove FS-EPP-2R from tools and equipment using a suitable epoxy tool cleaner immediately after use. Any hardened material will need to be removed mechanically.

STORAGE & SHELF LIFE

FS-EPP-2R has a storage life of not less than 12 months in the original, unopened containers. Avoid direct sunlight and store in cool, dry conditions.

PRECAUTIONS

Ensure adequate ventilation during mixing and application, and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and, if necessary, a suitable barrier cream.

In case of eye contact, rinse immediately with plenty of water and seek medical advice. In case of skin contact, wash immediately with plenty of soap and water. Prolonged skin contact should be avoided, particularly for users with an allergic reaction to resin-based materials — always wear gloves and eye/face protection as necessary.

Observe personal hygiene, particularly washing hands after work is completed or at any interruption while work is in progress. Take care when removing gloves to avoid contaminating the insides. In case of accidents, seek medical advice.

DISPOSAL & SPILLAGE

Any spilled material should be absorbed onto sand or other inert material and placed into a suitable container for disposal. Dispose of spillage and empty packaging in accordance with local waste disposal regulations.

The information contained in this Technical Data Sheet is given in good faith based on BGSB Construction Products Ltd's current knowledge and experience of the product. Our policy is one of continuous research and development; we therefore reserve the right to update this information at any time without prior notice. As we have no control over site conditions or execution of the work, we accept no liability for any loss or damage arising as a result thereof.

Sold subject to the Company's Conditions of Sale, available on request.