



R 2 CE

Solvent free, low viscosity, epoxy primer

DESCRIPTION

R 2 CE is a solvent free, low viscosity, two component epoxy primer. It is designed to seal the porosity of the substrate before installing resin based coating, self level topping and screed.

FEATURES

- As primer for use with epoxy and polyurethane based flooring systems
- Seal the substrate porosity
- Allow the subsequent coating to achieve a 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 at site

PHYSICAL PROPERTIES

R 2 CE @ 27± 1°C

Application temperature 10 C - 35°C

Pot life 60 minutes

No. of coats recommended Minimum 2 coats

Walkability 24 hours

Full Cure time 7 days

Bond strength > 2.5 N/mm²

Recoat time over night

COVERAGE ESTIMATES

Pack size Coverage
5 kg Approx. 5 - 6 m²/kg/coat

Part A 3.125 kg
Part B 1.875 kg

10 kg
Part A 6.60 kg
Part B 3.40 kg

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, laitance, etc., which will inhibit adhesion to the substrate. Use degreaser to remove polish, wax, grease, oil and similar contaminating substances prior to mechanical preparation. Contaminated concrete surfaces should be mechanically prepared, either by scabbling, grinding or contained shot blasting equipment or similar, and be vacuumed clean prior to applying R 2 CE. Overwatered or otherwise weak concrete

surfaces must also be suitably prepared down to sound, solid concrete by mechanical methods. Dust and other debris should be removed using vacuum equipment.

Mixing

The individual contents of the R 2 CE should be thoroughly stirred before being mixed together. The entire contents Part B should be poured into Part A and the two materials mixed thoroughly for at least 3 minutes using a heavy duty slow speed drill and spiral paddle. Some of the mixed components should be reintroduced back into the hardener container in order to activate any residue and then poured back into the larger mixing vessel and re-mixed for 30 seconds. Mixing in this way will ensure product consistency and that any resin that remains in the containers after application will cure to provide for easier waste disposal.

Application

Once mixed, the material should be spread over the floor as self-heating in the container will reduce working time. Apply using a brush or short / medium pile roller. Two or more coats may be needed to ensure that a uniform coating is achieved and to compensate for differences in surface porosity.

R 2 CE should be allowed to dry prior to the installation of the final floor finish, typically 24 hours.

CLEANING

R 2 CE can be removed from tools and equipment by using RTC 100 immediately after use. Any hardened material will need to be removed mechanically

STORAGE & SHELF LIFE

R 2 CE 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

During mixing and application the following precautions should be observed: Ensure adequate ventilation 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 by using, if necessary, a suitable barrier cream. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of splashes on the skin, wash immediately with plenty of soap and water. Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to resin-based materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL/SPILLAGE

Spillage of any of the product components should be absorbed onto sand or other inert materials and transferred to a suitable

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disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations. For further information please refer to the Material Safety Data Sheet.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.



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