



R 140 CP

Three-component, polyurethane primer

DESCRIPTION

R 140 CP is a three-component, solvent free polyurethane primer. It is designed to seal the porosity of the substrate before installing polyurethane based systems.

FEATURES

- 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
- Supplied in pre-measured packs for ease of mixing and consistency at site

PHYSICAL PROPERTIES

R 140 CP @ 27 ± 1°C

Working time 10 - 15 minutes

Mixed density Approx 1.16 g/cc

COVERAGE ESTIMATES

Pack Size	Coverage
5.30 kg	200 - 250 g/m ² /coat
Part A 2.20 kg	depending on the surface
Part B 2.35 kg	porosity
Part C 750 g	

APPLICATION INSTRUCTIONS

Substrate Preparation

Note: The concrete substrate should have a surface tensile strength of at least 1.5 N/mm² and should be minimum 28 days old.

The concrete substrate must be hard, sound, free of dust and other barrier materials such as mortar, curing agents, laitance, oil, grease, etc. that will inhibit adhesion to the substrate. 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.

The ideal substrate for application is a flat, lightly textured, clean concrete surface. Surface irregularities must be ground down or filled out with ARDEX ENDURA range of repair materials. Concrete surfaces should be mechanically prepared, either by scarifying, scabbling, grinding, contained shot blasting or similar, and be vacuum cleaned.

Note: The surface moisture content should be less than 5% before commencement of the work. The coating should not be applied to floors that are known to have rising moisture. The product should not be applied in temperatures less than 10°C or where the ambient relative humidity is greater than 85%.

Mixing

Do not commence mixing until all surface preparation and cleaning is complete. The entire contents of Part C should be added to Part A in a mixing vessel and mixed thoroughly using slow speed drill with spiral paddle. Part B is then added to the mixing vessel and continued to mix for 2 - 3 minutes. 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 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

Apply a coat of R 140 CP on the prepared surface using a brush or roller and allow it to dry for 24 hours before subsequent top coats are installed.

CLEANING

R 140 CP can be removed from tools and equipment by using RTC 100 immediately after use. Any hardened material will need to be removed mechanically.

STORAGE AND SHELF LIFE

R 140 CP has a shelf life of 6 months if kept in the original unopened containers between 5°C and 30°C. The product should be protected from frost, away from direct sunlight and sources of heat.

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 the eyes, rinse immediately with plenty of water and seek medical advice and after contact with 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 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.

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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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