

High Performance Primer for Ecoset Levellers

Technical Data Sheet (TDS)

Uses

Ecoset Primer is the recommended primer for the Ecoset cementitious flooring systems when applied to concrete and cementitious screeds. The primer film forms and seals the substrate to prevent air release which could otherwise cause pinholes in the floor topping. In addition it "wets" out the substrate, promotes adhesion and prevents desiccation of the Ecoset.

Advantages

- ✓ Excellent adhesion to concrete and cementitious screeds
- ✓ Seals the substrate to minimise pin holing
- ✓ Excellent water resistance after film formation
- ✓ Economic, easy to use with no restrictive pot life

Description

Ecoset Primer is a water-based styrene-acrylate copolymer emulsion, formulated to achieve specific performance characteristics. It is supplied as a single component white liquid which dries clear.

Design criteria

Successful application of cementitious self smoothing screeds requires the substrate to be sealed to minimise air rising through the screed. For the majority of applications in both the industrial and commercial sectors, two coats of primer are recommended. If the floor is extremely porous, a third coat may be necessary.

Properties

Typical values Specific gravity: 1.02
Solids content: 44 - 46%
VOC content: 31g / litre
Drying time at 20°C: 2 - 4 hours
Maximum time between coats at 20°C: 24 hours
Maximum overlay time at 20°C: 8 hours
Minimum application temperature: 10°C

Application Instructions

Ecoset Primer is the primer for Ecoset flooring systems and other cementitious levelling screeds. For specific dilution factors and application procedures regarding Ecoset Primer, please refer to the relevant product Technical Data Sheet.

Two coats of primer are recommended to ensure that the substrate is fully sealed and to minimise the likelihood of pinholes in the topping.

The first primer application is carried out after the existing concrete floor has been prepared and cleaned.

Ecoset Primer is diluted in the ratio of 1 : 4 (primer to clean water by volume). It is applied and worked into the floor by broom. The primer should not be applied by roller or spray.

The second coat of primer should be diluted in the same ratio of 1 : 4 (primer to clean water by volume). Application should be carried out when the first coat is dry. If the floor is still porous, it may be necessary to apply a third coat at a ratio of 1 : 4.

The primer must be well brushed into the surface. Ponding of the primer must be avoided because this can lead to failure at the bond line.

During application the area should be well ventilated to speed the drying of the primer. The application of EcoSet screed can proceed as soon as the final application of primer has dried.

Where a dual layer EcoSet system is being applied, the base layer should be primed with Nitoprime 330 as soon as the first layer has hardened.

Cleaning

EcoSet Primer should be removed from tools, equipment and mixers with clean water immediately after use. Dried material can only be removed mechanically.

Limitation

EcoSet Primer is suitable for use on sound concrete and cementitious screeds that are free from surface contamination and have been well prepared. It should not be used on oil contaminated concrete or existing epoxy toppings. EcoSet Primer should not be applied when the surface temperature of the substrate is below 10°C, or likely to fall below 10°C within 48 hours of application.

Supply

EcoSet Primer is available in both 5L and 20L spill proof containers.

Coverage

6 to 8m²/litre/coat (after dilution with clean water as specified).

The coverage figures are for guidance only. The actual rate depends on the absorbency and surface roughness of the substrate.

Note: the primer must be well brushed out and ponding avoided as too thick a layer of cured primer may cause debonding.

Storage

EcoSet Primer should be stored in the original unopened container.

Protect from frost and extreme heat

