



Fosroc® Nitoprime® 330

(Previously known as Durafloor Level Prime)

High performance primer for Cemtop cementitious flooring systems

Uses

Nitoprime 330 is the recommended primer for the Cemtop 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 Cemtop.

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

Nitoprime 330 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

Nitoprime 330 is the primer for Cemtop flooring systems and other cementitious levelling screeds. For specific dilution factors and application procedures regarding Nitoprime 330, 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.

Nitoprime 330 is diluted in the ratio of 1 : 5 (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 ratio of 1 : 3 (primer to clean water by volume). It should be carried out when the first coat is dry. If the floor is porous, it may be necessary to prime a third time at a ratio of 1 : 3. 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 Cemtop screed can proceed as soon as the second application of primer has dried.

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

Cleaning

Nitoprime 330 should be removed from tools, equipment and mixers with clean water immediately after use. Dried material can only be removed mechanically.

Limitation

Nitoprime 330 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.

Nitoprime 330 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.

Estimating

Supply

Nitoprime 330 Prime 1 litre:	FC605120-1L
Nitoprime 330 Prime 5 litre:	FC605120-5L
Nitoprime 330 Prime 20 litre:	FC605120-20L

Coverage

Nitoprime 330: 10 - 20 m²/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

Nitoprime 330 has a shelf life of 18 months if stored in the original unopened container. Refer to the Use by Date indicated on the packaging.

Protect from frost and extreme heat.

Fosroc® Nitoprime® 330

Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.



constructive solutions

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