



Nitoflor Sealer CHD*

Acrylic resin based non degrading in-surface polymer seal with curing, sealing, hardening and dustproofing properties

Uses

Nitoflor Sealer CHD is a clear acrylic resin based solution designed to provide a non degrading in-surface polymer seal.

- Curing membrane for fresh concrete
- In-surface polymer sealer
- Hardening
- Dustproofing
- Applied to new or existing concrete
- Applied to powerfloated or dry shake surface hardened finishes

Advantages

- Versatile - Curing, hardening and dustproofing properties with application on new or old concrete
- Economical - Single coat application immediately after powerfloating
- UV stable & Non degrading
- Reduced surface porosity resulting in ease of housekeeping.
- Can be readily overcoated without removing from the substrate.

Description

Nitoflor Sealer CHD is a clear acrylic resin solvent based solution designed to provide a non-degrading in-surface polymer seal which when applied to new or fresh concrete initially acts as a curing membrane and ultimately hardens and dustproofs the concrete surface.

Specification

As mentioned in the contract documents, the product shall be a clear acrylic resin based treatment to new or old concrete substrate capable of providing curing, hardening, sealing and dustproofing properties.

The sealer coat can be applied immediately after final finishing of the concrete and does not require to be removed from the surface of concrete prior to overcoating.

The sealer shall provide 75% curing efficiency to ASTM C309 standard when applied at 6m²/litre.

Properties

The values quoted are typical:

Drying time at 20°C

Touch Dry	:	2-4 hours
Fully Cured	:	24 hours

Form	:	Liquid
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Colour	:	Clear
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Specific Gravity	:	0.88
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Curing Efficiency	:	75%
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(ASTM C309)		(applied at 6m ² /litre)
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Instructions to use

Application on new concrete

Nitoflor Sealer CHD should be spray applied onto concrete immediately after powerfloating/finishing is completed. On large areas the spray operation should follow closely behind the finishing. Ensure there is no standing or free water on the concrete surface.

Application is best carried out using low pressure spray equipment using a fine mist spray in a hollow fan pattern. Spray the Nitoflor Sealer CHD directly on the fresh concrete surface in a single coat, using a back pack sprayer or for larger areas a powered barrel spray unit is recommended.

Application on existing concrete

All surfaces to be treated with Nitoflor Sealer CHD should be clean, dry and free from surface contamination.

Nitoflor CHD can be applied to hardened concrete using spray units or by roller application.

Overcoating

Nitoflor CHD does not need to be removed from the surface of concrete prior to applying subsequent coating systems. However surfaces to be coated must be mechanically abraded to provide a suitable key.

Nitoflor Sealer CHD*

Cleaning

Tools and equipment should be cleaned with Fosroc Solvent 102* immediately after use.

Estimating

Supply

Nitoflor Sealer CHD	: 25 litre / 200 litre drums
Fosroc Solvent 102	: 5 litre drums

Coverage

Nitoflor Sealer CHD

- Normal concrete	: 5-12m ² / litre / coat
- Power float/dry shake:	12m ² / litre / coat

Note : The coverage figures are theoretical and will depend on the surface finish, porosity, profile and site wastage.

Limitations / Points to note

- The product should not be exposed to standing/free water during application.
- Wipe/Clean any spillages to avoid staining of substrate.
- Spray equipment must have solvent resistant seals, i.e. viton seals.
- If applied near foodstuff, the evaporating solvent will cause taint.
- If any doubts arise concerning temperature or substrate conditions, consult the local Fosroc Office.

Precautions

Health and safety

Nitoflor Sealer CHD and Fosroc Solvent 102 should not come in contact with skin or eyes, nor should they be swallowed.

Avoid inhalation of vapours and ensure adequate ventilation.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed seek medical attention immediately - **do not** induce vomiting.

For further information, please consult the Material Safety Data Sheet .

Fire

Nitoflor Sealer CHD and Fosroc Solvent 102 are flammable. Do not expose to naked flames or other source of ignition. No smoking during use. Containers should be tightly sealed when not in use. In the event of a fire, extinguish with CO₂ or foam.

Flash points

Nitoflor Sealer CHD	: 40°C
Fosroc Solvent 102	: 33°C

For further information, refer to the product Material Safety Data Sheet.

Storage

Shelf life

Nitoflor Sealer CHD has a shelf life of 12 months, when stored in warehouse conditions below 25°C. Do not store in direct or strong sunlight. Protect from Frost.



Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service

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