



Nitoflor® ML

Trowel Applied Heavy Duty Cementitious Floor Screed

Uses

Nitoflor ML can be used on top of conventional concrete floors to improve existing properties of wearing floors or to avoid high strength cement screeds such as "Granotop" on new floors. Nitoflor ML can be used as an economical alternative to epoxy resin screeds.

Ideally suited for all industrial floor subject to high wear particularly in gangways. The impact resistance of Nitoflor ML enhances the life of the floor provided the base concrete is reasonably sound.

By overcoating with Nitoflor FC140 epoxy coating, the chemical resistance is vastly improved thus enhancing the durability of the floor.

Description

Nitoflor ML is a two part (powder and liquid), polymer modified prepacked floor screed to be applied on existing floors in thickness range of 8-10 mm for obtaining abrasion resistance, resistance to oil and grease penetration and better impact resistance. A more economical alternative to resin screeds. Chemical resistance can be enhanced by overcoating with Nitoflor FC140.

Technical support

The company provides a technical advisory service supported by a team of specialists in the field.

Advantages

- Floor can be opened for traffic quickly (24 hours typically)
- High abrasion resistance
- Resistance to oil and grease penetration
- Good flexural and tensile strength
- Good chemical resistance when overcoated with Nitoflor FC140 epoxy coating.
- Forms a monolithic bond with base floor
- Self curing
- Easy application
- Economical compared to resin screeds

Properties

Compressive strength	1 day	140 Kg/Cm ²
	3 day	220 Kg/Cm ²
	28 days	350 Kg/Cm ²
Flexural Strength	7 days	75 Kg/Cm ²
	28 days	115 Kg/Cm ²

Application

Nitoflor ML is a trowel applied on to the prepared surface.

Surface preparation

Mechanical scabbing/chipping/wire brush

Cleaning

Saturate with water and remove excess water.

Priming

Mix 1 part Nitoflor ML liquid with three parts Portland Cement and 1 part water and brush apply to the prepared surface.

Mixing

Nitoflor ML powder is taken into a container and Nitoflor ML liquid and water are added to it while mixing in the ratio :-

Nitoflor ML Powder	:	25 Kg
Nitoflor ML Liquid	:	2 Litres
Water	:	1 Litre to 1.20 Litres

The mixed screed is poured on to the primed surface, levelled and finished with a trowel.

Curing

Nitoflor ML is self curing. No water curing is required.

Estimating

Packaging

Nitoflor ML powder is supplied in 25 Kg bags. Nitoflor ML liquid is supplied in 5 Litre and 20 Litre carboys.

Coverage

1 bag (25 Kg) Nitoflor ML Powder with 2 Litre Nitoflor ML liquid (and water) typically gives a coverage of 1.2 m².

Nitoflor® ML

Storage and Shelf Life

Both Nitoflor ML powder and Nitoflor ML liquid have a minimum shelf life of six months when stored under dry, covered conditions.

Precautions

Health & Safety

Nitoflor ML is non-toxic but is mildly alkaline. Gloves should be worn during use. Splashes to the skin should be washed with clean water. Accidental splashes to the eyes should also be washed with water but should prolonged irritation occur, medical advice should be taken.

Additional information

The Fosroc range of associated products includes high strength cementitious, epoxy grout, polyester resin based mortar for rapid presetting of steel shims to level or for direct bedding of small base plates; Resin Anchoring systems for same day anchoring of bolts in drilled holes in concrete or rock. Also available a range of products for use in construction; viz., admixtures, curing compounds, release agents, flooring systems and repair mortars.

Separate datasheets are available on these products.

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Important note :

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.



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