



constructive solutions

Nitoflor FC100 Clear*

High Performance Acrylic Wall and Floor Sealer

Uses

To provide a sealing coat on cementitious floor/wall and a dustproof and more easily cleaned surface with resistance to the penetration of various liquids. Ideal for dust proofing warehouses, garages, and light industrial buildings. It can also be used as a curing membrane.

Advantages

- Simple brush or spray application
- Prevents dusting by sealing the surface
- Durable finish offers good resistance to abrasion
- Cures and seals the substrate in a single operation
- Water Based, environmental friendly.

Description

Nitoflor FC100 clear is a two component water based acrylic coating with excellent adhesion to cementitious surfaces and, when cured, forms a clear matt finish.

Specification

Floor/Wall sealer

The floor/wall sealer shall be Nitoflor FC100 clear, two component, acrylic floor sealer. The sealer is recommend to apply in two coats.

Technical support

Fosroc offers a comprehensive range of high performance, high quality flooring, jointing and repair products for both new and existing floor surfaces. In addition, Fosroc offers technical assistance to specifiers, end users, and contractors as needed.

Typical Properties

The values given below are average figures achieved in laboratory tests. Actual values attained on site may show minor variations from those quoted.

Physical properties at 20°C

Time between coats	:	8-24 hours
Initial curing	:	24 hours
Full curing	:	7 days
Pot life	:	1 hour @25°C

Initial surface absorption test (ISAT) BS 1881 : Part 208

10 mins	0.01ml /m ² /s
30 mins	0.01ml /m ² /s
60 mins	0.00ml /m ² /s

Good housekeeping is essential in areas where chemical spillage is likely to occur. It is especially important that such spillage should not be allowed to dry since very much higher concentrations of chemicals may result.

Instructions for use

Preparation

New concrete floors

The floor should be at least 28 days old and give a hygrometer reading not exceeding 80% RH when tested in accordance with BS 8203 Appendix A.

A sound, clean, dry substrate is required in order to achieve maximum adhesion. Dry removed of laitance by use of mechanical methods is preferable.

Old concrete floors

A sound, clean dry substrate is essential to achieve maximum adhesion. Dry removal of laitance by use of mechanical methods is preferable. Oil and grease penetration should be removed by the use of a proprietary chemical degreaser or by hot compressed air treatment.

Any damaged areas should be repaired using one of the Nitomortar range products.

Mixing

The individual components of Nitoflor FC100 clear should be thoroughly stirred before the two are mixed together in order to get full curing. The entire contents of the hardener container should be poured into the base container, and the two materials mix thoroughly for at least 3 minutes, the use of heavy duty slow speed (300-500 rounds/minutes) drill with a mixing paddle is desirable.

Application

Nitoflor FC100 clear can be applied by brush/roller/spray.

Two coats are recommend to get a complete and continuous film. The second coat should be applied as soon as the first coat has initially dried (normally 8-24 hours). The recoating time is dependant on the type of surface and the ambient conditions.

Good drying condition to allow water evaporate thoroughly is critical for vanish curing. It is necessary for Good ventilation and air circulation when vanish is curing.

Nitoflor FC100 Clear*

Cleaning

Nitoflor FC100 clear should be removed from tools and equipment using water immediately after use.

Maintenance

The service life of a floor can be considerably extended by good housekeeping practices. Regular cleaning of Nitoflor FC100 clear may be carried out using a rotary scrubbing machine with a water miscible cleaning agent, or by hot water washing at temperatures up to 50°C.

Limitations

- The durability of Nitoflor FC100 clear is reduced in areas of very heavy foot traffic such as around work benches, drinks machines, doorways etc. It is advisable to either:
 - a) Specify additional coats in such areas or
 - b) Specify a higher build system such as Nitoflor FC500*† in such areas.
- Nitoflor FC100 clear is not suitable for use in areas where hydrocarbon or solvent spillage is likely to occur.

Estimating

Supply

Nitoflor FC100 clear	: 5kg/4.7 litre packs
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Coverage

Nitoflor FC100 clear	: 7 m ² /litre in two coats (Total:150 microns in wet film thickness)
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Note: The coverage figures given are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced.

Note: In accordance with Commercial or Health & Safety requirements packaging detail may alter. Please contact your local Fosroc office for detail.

Storage

When stored in dry conditions between 5°C and 30°C, in the original unopened packs, Nitoflor FC100 clear has a shelf life of 6 months. If stored at high temperatures the shelf life will be reduced.

Nitoflor FC100 clear should be protected from frost.

Precautions

Health and safety

Nitoflor FC100 clear should not come in contact with skin and eyes, or be swallowed. Avoid inhalation of vapour/spray. Use only in well ventilated areas. If working in confined areas, suitable respiratory protective equipment must be worn. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams provide additional skin protection.

Should accidental skin contact occur, remove with a suitable skin cleanser, followed by washing with soap and water. 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.

Fire

Nitoflor FC100 clear is non-flammable.

Disposal

Spillages of component products should be absorbed onto earth, sand or other inert material and transferred to a suitable vessel. Disposal of such spillages or empty packaging should be in accordance with local waste disposal regulations.

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

*** Denotes the trademark of Fosroc International Limited**

† See separate data sheet



Important note

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