



# Nitoflor® FC110

## Polyurethane floor coating and sealer

### Uses

As a clear, sealing coat on cementitious floors to provide a dust proof and easily cleaned surface with resistance to penetration of oils and liquids, ideal for warehouses, garages, indoor car parks, light industries etc.

### Advantages

- **Easily laid** - Simple brush application
- **Durability** - Good resistance to abrasion Improves scratch resistance of the floor surface.
- **Non-dusting**- totally seals the concrete surface preventing dusting

### Description

Nitoflor FC110 is a two part, polyurethane system. It has excellent adhesion to cementitious surfaces and when cured, forms a semigloss flexible film. It penetrates the surface to bind together the particles to produce a hardwearing and impermeable surface. It is supplied in two parts and requires mixing on site.

### Technical support

Fosroc offers technical support service to specifiers, end users and contractors, as well as onsite technical assistance in locations all over the country.

### Properties

|                            |   |
|----------------------------|---|
| Specific gravity           | 0.95 to 1.05 g/cc   |
| Cure time                  |   |
| Tack free                  | 1 hour at 30°C.   |
| Open to light foot traffic | 24 hours at 30°C.<br>Full cure 7 days.  |
| Pot life                   | Once both components are mixed, the mixed material should be used within 60 mins. at 30°C |

### Application instructions

#### Preparation

Substrate must be clean and free from all contamination and in dry condition. All loose material should be swept away and excess laitence removed by using Reebaklens, cleaning and etching agent. Surface should then be washed off thoroughly and allowed to dry completely.

#### Coating

Mix both the components as supplied in a plastic container or bucket with a paddle attached to a slow speed drilling machine. Using a soft brush, or roller apply the mixed material to the surface, until an even coverage is obtained. Two coats are normally recommended and a minimum drying time of 1 - 2 hours should be allowed between coats. On sand/cement screeds, 3 to 4 coats may be required depending on porosity. Where two or more coats are applied best results are obtained by not allowing more than 24 hours between applications.

#### Limitations

- Nitoflor FC110 cannot be applied below 15°C or above 40°C.
- It is not recommended for applications directly exposed to sunlight.
- It is not suitable for applications on substrates applied with plaster of paris.

#### Estimating

#### Packaging and coverage

Nitoflor FC110 is supplied in 1 Ltr. (component A -0.5 Ltr + component B - 0.5 Ltr) and 5 Ltr (2.5 Ltr + 2.5 Ltr) packings. Coverage of the first coat of Nitoflor FC110 on concrete depends to a great extent on surface texture and porosity. Second and subsequent coats show improved coverage.

For estimation purposes, a coverage of 6 m<sup>2</sup> per litre, per coat can be considered.

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## Storage

Nitoflor FC110 should be stored in accordance with the statutory regulations with regard to highly flammable liquids and gases.

## Shelf life

6 months in unopened containers at 30°C.

## Precautions

### Health & Safety

Gloves should be used when handling. If contact with skin occurs, it must be washed with detergent and water. Solvent should not be used. The use of goggles is recommended. Direct contact with eyes will cause irritation and may cause serious damage if left untreated. Any eye contamination should be washed thoroughly with plenty of water and immediate medical treatment sought.

## Fire

Nitoflor FC110 is flammable. Adequate ventilation should be ensured during application. Smoking, presence of a naked flame is strictly prohibited.

## Additional information

The Fosroc range of associated products includes high strength cementitious grouts, 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 data sheets 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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