



# Nitoflor® FC130

## Water dispersed epoxy floor coating and sealer

### Uses

Nitoflor FC130 provides a pigmented sealing coat onto cementitious and concrete surfaces which is dustproof, easily cleaned and resistant to penetration of oils and liquids. Suitable for use in ware houses, garages, light industrial areas, food processing areas, kitchens, and other areas of pedestrian and light vehicular traffic.

### Advantages

- **Attractive** - available in a range of colours.
- **Improves the resistance** of concrete to many industrial chemicals.
- **Hygienic** - easily cleaned due to impervious finish.
- **Economic** and easy to apply.
- **Solvent free** - can be applied in confined spaces.
- **Odour free** - can be applied in food processing areas.
- **Water based** - all tools and equipment can be cleaned with water.

### Description

Nitoflor FC130 is a two component prepacked, water dispersed epoxy resin system supplied in pre-weighed packs ready for onsite mixing and use.

The cured film forms a hard, flexible, matt seal to concrete and other substrates.

### Colour range

Nitoflor FC130 is available in a range of colours as below

- Silver Grey                      Sage Green
- Cream                              Sky Blue

### 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

	@20°C	@30°C
<b>Usable life</b>	2 hrs	45 mins
<b>Time between coats</b>	Within 24 hrs	Within 16 hrs
<b>Initial hardness</b>	24 hrs	16 hrs
<b>Full cure</b>	7 days	7 days

Please note that after the usable life has expired, the material although not hardened, increases in viscosity and the characteristics of the product change. Excess material should be discarded after this point.

### Temperature limitations

Minimum application temperature is 20°C.

### Chemical resistance

Samples of Nitoflor FC130 have been subjected to constant immersion at 30°C for 3 months in the following chemicals and have been found to be unaffected.

- Skydrol
- Dilute Sodium Hydroxide
- Dilute Sulphuric acid
- Oil and grease
- Petrol
- Ammonia 10% solution
- Urea 10% solution
- Saturated sugar solution

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 as higher concentrations of chemicals will result.

Where chemicals at higher temperatures are involved consult your local Fosroc office.

### Food taint tests

Samples of Nitoflor FC130 have been submitted to the British Food Manufacturing Industries Research Association for testing with regard to the taint qualities of the cured film with samples of food stuffs. Comparison tests by the triangular method with a panel of 15 tasters were employed with the conclusion that Nitoflor FC130 did not taint a standard sample of unsalted butter, test report Ref. no. 4526/84 refers.

Other large manufacturing organisations have tested Nitoflor FC130 in their own toxicology tests and have passed the material for use.

### Application instructions

#### Preparation

Surfaces to be treated should be clean and free from all contamination. Oil or grease should be removed by suitable means, followed by washing off with clean water. Excess laitence should be removed by etching with Reebaklens followed by washing off with clean water.

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## Mixing

The individual components of Nitoflor FC130 should be thoroughly stirred before the two are mixed together. The entire contents of the smaller base can should be poured into the larger hardener can and the two materials mixed thoroughly for at least 3 minutes. The use of a slow speed drill with paddle is desirable.

## Coating

Apply the mixed Nitoflor FC130 to the prepared and cleaned surface, using a brush or lambswool roller. Make certain that the area is completely coated and that 'ponding' of the material does not occur as water may be trapped and the material will not cure completely.

The second coat may be applied as soon as the first coat has initially dried. The time will be dependent on the type of surface and ambient conditions but will be in the range of 24 hours at 30°C.

## Non-slip finish

Add 750g - 1000g Nitoflor Antislip Grain No. 4 to the mixed Nitoflor FC130 before application of the material.

Ensure even dispersion of the aggregate by mixing with a slow speed drill with mixing paddle for 2 minutes. Apply as described above.

## Estimating

### Packaging and coverage

Nitoflor FC130 is supplied in 2.5 & 5kg packs.

The coverage of Nitoflor FC130 depends to a large extent on the substrate and site conditions. For calculation purpose 6m<sup>2</sup> /kg/per coat can be taken as coverage.

## Storage

Nitoflor FC130 should be stored under normal warehouse conditions, and must be protected from frost.

## Shelf life

6 months in unopened containers.

## Precautions

### Health & Safety

Some people are sensitive to epoxy resins. So gloves, goggles and barrier creams should be used when handling these products. If contact with skin occurs, it must be removed, before it hardens, with resin removing creams followed by washing with soap and water. Do not use solvent. The use of goggles is recommended but should accidental eye contamination occur, wash thoroughly with plenty of water and seek medical treatment immediately.

### Fire

Nitoflor FC130 is non-flammable.

## Additional information

Fosroc manufactures a wide range of products specifically designed for the repair and refurbishment of damaged reinforced concrete. This includes repair mortars, fluid micro concretes, chemical resistant epoxy mortars in addition to comprehensive package of protective coatings. In addition, a wide range of complementary products are available. This includes admixtures, joint sealants, waterproofing membranes, grouts and anchors specialised flooring materials and bonding agents.

Separate data sheets are available on these products



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