



constructive solutions

Nitoflor® FS500

High Build Solvent free Epoxy Floor Shield

Uses

For use on industrial and commercial concrete floors where a smooth easy cleaned surface is required. Typical areas of use include food processing areas, clean rooms, laboratories, hospitals and light duty manufacturing areas.

Advantages

- **Hygienic** - Provides easy to clean dust free surfaces
- **Chemically resistant** - Protects the concrete floor surface
- **Solvent free** - Low odour formulation
- **Hardwearing** - Good abrasion resistance

Description

Nitoflor FS500 is a two component, self-smoothing epoxy floor coating capable of being laid between 0.5mm and 1mm in a single application. Application is by pin screed or squeegee.

Technical support

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

Properties

Thickness : Min.0.5mm in one application

Temperature limitations

Minimum application temperature 5°C

At temperatures below 5°C and over 40°C, please contact Fosroc.

Chemical resistance

Nitoflor FS500 is resistant to a wide range of chemicals. Specific data is available on request.

Application instructions

Surface preparation

It is essential that Nitoflor FS500 is applied to sound, clean, dry substrates in order to achieve maximum adhesion between the floor coating and substrate. All floors to receive a Nitoflor FS500 topping should be protected by means of a damp proof membrane. The absence of such could lead to the problem of Osmosis where soluble salts have concentrated.

Please note that as Nitoflor FS500 is only a 0.5mm - 1.0mm topping, the substrate must be relatively even textured as any surface discrepancies may show through, or may cause colour variation in the applied topping.

Mixing

Add the entire contents of the Hardener can to the Base component and mix with a slow speed drill fitted with a suitable mixing paddle for a minimum of 2 minutes until a totally homogeneous mix is obtained.

Laying

Nitoflor FS500 is a very fluid material and care must be taken to tape around the edges of the floor with a good quality tape ensuring that is firmly bonded to the floor. Apply the coating direct from the can using a squeegee or pin screed set to the required final thickness.

Rolling

Once layed roll the coating with a spiked nylon roller supplied by Fosroc. This assists in levelling the products surface and removing any entrained air pockets.

Cleaning

Tools and equipment should be cleaned with Nitoflor Sol immediately after use. Spillages should be absorbed with sand or sawdust and disposed in accordance with local regulations.

Estimating

Packaging

Nitoflor FS500 is supplied in 4.5L packs.

Coverage

Nitoflor FS500 covers 8 - 9 m² per pack at 500 microns thickness (depending upon compaction of Nitoflor DS500)

Storage

Shelf life

12 months if stored below 35°C. Nitoflor FS500, and Nitoflor Sol should be stored in accordance with statutory regulations concerning highly flammable liquids.

Nitoflor® FS500

Precautions

Health & Safety Instructions

Some people are sensitive to resins and solvents, so gloves, protective clothing and eye goggles are recommended. Barrier creams are also useful. If accidental contact with resin occurs clean immediately with a resin removal cream. Do not use solvent. Should accidental eye contamination occur wash immediately with clean water and seek medical attention at once. These are solvent containing products, avoid breathing the vapours. Ensure proper ventilation or use breathing apparatus in badly ventilated, confined areas.

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