

Chemical resistant protective coating

Uses

Nitoflor CR protective coating is an anticorrosive, chemical resistant and waterproofing coating for water tanks, sumps, rc members, steel structures and industrial floors.

Advantages

- Single coat will suffice in majority of the cases
- Easy to apply and dries fast - within 60-90 minutes
- Good resistant to acids and alkalis
- Excellent anti-corrosive and waterproofing properties

Description

Nitoflor CR protective coating is a single component, brush applied, acid / alkali resistant, chlorinated rubber based protective coating, supplied ready for use in anti-corrosive and waterproofing applications.

Technical support

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

Properties

Density - 1.05 - 1.08 g/cc

Application instructions

Surface preparation

Surface preparation is absolutely critical for proper adhesion of Nitoflor CR protective coating. Surface should be absolutely dry, free from rust, dust, grease, oil and loose particles. The most effective surface preparation is sand blasting followed by a solvent wash to give a long lasting performance on steel / concrete structures. The next best is using stiff wire brush or coarse emery cloth.

Application method

Priming

Nitoprime 20 shall be applied in 1 or 2 coats depending on usage of the area.

Application

Mix well before use. Apply single coat by brushing. Dry film thickness will be about 100-150 microns in two coats by brush application. Second coat should be applied after the first coat is dry. Spray application is not recommended as Nitoflor CR protective coating is very fast drying.

Cleaning

Nitoflor Sol solvent can be used for cleaning the tools after use.

Drying / curing

Surface dry in 60-90 minutes. Complete drying of film will take 2 days.

Areas of application

Nitoflor CR, acid / alkali resistant protective coating can be used for basement, kitchens, terraces, bathrooms etc. wherever waterproofing and corrosion protection is needed.

Limitations

Nitoflor CR protective coating is not suitable for UV exposure and not suggested for roof waterproofing. The chemical resistance chart is given below

Copper (5%)	R
Hydrochloric acid (30%HCl)	R
Sulfuric acid 20%	R
Chloride (10%)	R
Ferrous / Ferric	R

R stands for 'Resistant'

Consult Fosroc for any other chemical resistance

Estimating

Packaging

Nitoflor CR protective coating is supplied in 1 & 5 Ltr. containers.

Coverage

Nitoprime 20	-	8-10 m ² /Ltr/coat
Nitoflor CR	-	3-4 m ² per coat/ Ltr. (brush application on reasonably smooth surfaces)

Nitoflor® CR

Storage

Shelf Life

6 months when stored under normal warehouse conditions in unopened containers. Outside storage and direct exposure to sun will reduce the shelf life.

Precautions

Health and Safety

Store in cool dry place. Close the lid firmly after use. During application in enclosed space use goggles and breathing mask. Nitoflor CR is inflammable. No smoking or exposure to sparks.

Additional information

The Fosroc range of associated products includes admixtures, curing compounds, release agents, grouts and anchors, repair and protective coatings, sealants and waterproofing.

Separate datasheets are available on these products.

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