

CIKOseal FB

Fibre reinforced, rubberised bitumen emulsion for built-up waterproofing

Description

CIKOseal FB is a thixotropic fibre reinforced and rubberized bituminous coating for horizontal and vertical applications on concrete; mortar and cement block masonry surfaces.

Special grade of bitumen is emulsified and reinforced with fiber and rubber to form a flexible, seamless coating after curing on exposure to atmosphere.

Properties

- Cold applied single component system.
- Easy to apply by brush, roller or spray.
- Suitable for application on irregular and vertical surfaces due to non-sagging properties enhanced by fibre presence.
- Rubber content provides flexibility to overcome minor expansion and contraction resulting from temperature changes.
- Can be reinforced with fiber-mesh to increase tensile strength of the coating.
- Provides excellent bond strength against wide range of substrates.
- Resistant to chlorides, sulphates and other soil chemicals.
- Non-toxic, non-flammable and asbestos fibre free

Application area

- Roof and pitched roof waterproofing.
- Wet area waterproofing beneath bathroom and kitchen tiles.
- Roof garden waterproofing.
- Deep foundations and retaining walls.
- As a protective coating on below ground steel tanks and steel pipes.

Applicable standards

- CIKOseal FB complies with ASTM D 1227 Type II Class1, build-up waterproofing system.
- Complies with Qatar Construction Specifications QCS.

Physical properties

Form	High viscous liquid
Colour	Dark Brown
Solids	55 ± 5%
Specific gravity	1.06±0.02 @ 25°C
Drying time	4 - 6 hours @ 25° C
Service temperature	-10° C to +80° C
Chemical resistance	Resistance to chlorides, sulphates, mild acids and alkalis

Coverage

CIKOseal FB provides coverage as follows.

330 microns wet film thickness per coat 3.0 m² per litre

Minimum two coats recommended.

Note: Coverage rate may vary depending on substrate condition and finish.

Application instructions

Surface preparation

Concrete surface:

The substrate shall be free from all loosely adhered particles, efflorescence, dust, oil, grease or any other contamination. In case of oil spillage, proper treatment should be carried out on the surface. All pot holes and wider cracks must be repaired using suitable material.

Metal surface:

Wire brush to remove rust, mildew and loose paint. In case of corroded surfaces, proper priming shall be done with a primer.

Mixing

CIKOseal FB is a single component system. Stir well until a homogeneous mix is achieved.

Priming

If the surface is too dry and porous, apply a coat of primer using CIKOprimer WB or CIKOseal RB.

Alternatively CIKOseal FB diluted with 20% clean water and mixed well using a slow speed heavy duty drill-paddle assembly can be used as primer.

Application method

Apply CIKOseal FB on properly cleaned surface using brush or broom at the rate of 1.0 m² per litre per coat and allow drying for 12 - 24 hours prior to application of second coat. Care should be taken to coat the surface without leaving any gap. In similar way, apply a second of CIKOseal FB over first coat at the rate of 1.0 m² per litre.

Packaging

CIKOseal FB is available in 15litre pails and 200 litre drums.

Shelf life

CIKOseal FB has a shelf life of 12 months in unopened pails or drums and if stored in accordance with CIKO instructions.

Storage

CIKOseal FB should be stored under enclosed shaded area at temperatures between 5 – 35⁰C.

Precautions

- Not to use over standing water.
- The application temperature must be between 5 – 40⁰C.

Health & safety

CIKOseal FB should not come in contact with eyes or be swallowed. Applicator should wear appropriate clothes, gloves and goggles. Use of barrier cream is recommended to provide additional skin protection. If comes in contact with eyes, flush with plenty of fresh water and seek medical advice.

Refer Material Safety Data Sheet for further details.

Technical Support

For further technical support, do not hesitate to contact CIK

O team at any time as CIKO offers on and off site services to end users, specifier and contractors.

More from CIKO Middle East

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- Concrete admixtures and additives
- Waterproofing and damp proof coatings
- Surface treatments
- Flooring and toppings
- Grouts and anchors
- Tile adhesives and grout
- Concrete repair materials
- Adhesives and bonding agent
- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries

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Note: The information presented herein based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control



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