

CIKOseal RB-N

Smart Chemical Solutions



سيكو الشرق الأوسط
MIDDLE EAST

Rubberised, emulsified bituminous protective coating

Description

CIKOseal RB-N is a rubberised bitumen emulsion used as slow setting asphalt emulsion which serves as a flexible protective and damp proofing coating.

CIKOseal RB-N is suitable to be applied a protective coating for horizontal and vertical applications on concrete; mortar and cement block masonry surfaces. It provides excellent resistance to soil chemicals.

Special grade of bitumen is emulsified and reinforced with rubber along with other specialty additives to form a flexible seamless coating after curing on exposure to atmosphere.

Properties

- Single component economical system.
- Easy to apply by brush, roller or spray.
- Suitable for application on irregular surfaces.
- Slow-setting anionic surfactant
- Provides excellent adhesion on wide range of substrates.
- Resistant to chlorides, sulphates and other soil chemicals.
- Non-toxic and non-flammable.

Application area

- Tack coat on asphalt pavement surfaces.
- As damp-proofing coating on foundations, back filled retaining walls, shallow sewage pits etc
- Wet area waterproofing beneath bathroom and kitchen tiles.
- Waterproofing of garden pots.
- Damp-proofing over masonry facades.

Applicable standards

CIKOseal RB-N complies with the following:

- ASTM C309 as a liquid membrane-forming Curing compound.

Physical properties

Form	High viscous liquid
Colour	Dark Brown to black
Solid Content	35±2 % by weight
Rubber content	Min. 5%
Water Loss ASTM C156-11	<0.5Kg/m ²
Viscosity @ 25 ⁰ C	10 to 25 poises
Specific gravity	1.01±0.03 @ 25 ⁰ C
Surface Drying time	Within 8 hours @ 25 ⁰ C Within 6 hours @ 35 ⁰ C
Overcoat time	After 16 hours @ 25 ⁰ C After 12 hours @ 35 ⁰ C
Service temperature	-10 ⁰ C to +100 ⁰ C

Chemical Resistance

CIKOseal RB-N exhibits a high chemical resistance when tested according to ASTM D543-14 to mild and strong acids, hydroxides, sulphates and carbonates. Specific Data are available upon request.

Coverage

CIKOseal RB-N provides coverage of 3m² per litre at a wet film thickness of 330 microns. It is recommended to apply at least two coats.

Note:

- Coverage rate may vary depending on substrate condition and finish.
- Required total Film thickness depends on application area and performance requirements. Consult CIKO technical Service department for further support.

Application instructions

Surface preparation

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 RB-N is a single component system and requires only mixing using a slow speed drill-paddle assembly.

Priming

Make sure the surface is free from dust and loose particles. If the surface is too dry and porous, apply a coat of primer using CIKOprimer WB. Alternatively CIKOseal RB-N 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 RB-N on properly cleaned surface using brush, roller or spray at the rate of 3.0 m² per litre per coat and allow drying for 12 - 16 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 RB-N over first coat at the rate of 3.0 m² per litre.

Packaging

CIKOseal RB-N is available in 15 litre pails and 200 litres drums.

Shelf life

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

Storage

CIKOseal RB-N 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 5⁰C – 40⁰C.

Health & safety

CIKOseal RB-N 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 CIKO 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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