

CIKOseal RBN-45

Smart Chemical Solutions



سيكو الشرق الأوسط
MIDDLE EAST

Rubberised, emulsified bituminous protective coating

Description

CIKOseal RBN-45 is a rubberised bitumen emulsion used as slow setting asphalt emulsion which serves as a flexible protective and damp proofing coating.

CIKOseal RBN-45 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 RBN-45 complies with the following:

- ASTM C 309 as a liquid membrane-forming Curing compound.

Physical properties

Form	High viscous liquid
Colour	Dark Brown to black
Solid Content	45±2 % by weight
Rubber content	Min. 10%
Viscosity @ 25 ⁰ C	10 to 25 poises
Specific gravity	1.03±0.02 @ 25 ⁰ C
Drying time	Within 5 hours @ 25 ⁰ C Within 3 hours @ 35 ⁰ C
Overcoat time	After 8 hours @ 25 ⁰ C After 6 hours @ 35 ⁰ C
Service temperature	-10 ⁰ C to +100 ⁰ C
Chemical resistance	Resistance to chlorides, sulphates, mild acids and alkalis

Coverage

CIKOseal RBN-45 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

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 RBN-45 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 RBN-45 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 RBN-45 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 - 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 RBN-45 over first coat at the rate of 3.0 m² per litre.

Packaging

CIKOseal RBN-45 is available in 15 litre pails and 200 litres drums.

Shelf life

CIKOseal RBN-45 has a shelf life of 12 months in unopened pails or drums and if stored in accordance with CIKO instructions.

Storage

CIKOseal RBN-45 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 RBN-45 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.

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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



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