

# CIKOseal RB-N



## 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 & Advantages

- 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 & Uses

- 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.

### 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.

### Physical properties

Form	High viscous liquid
Colour	Dark Brown to black
Solid Content	35±5 % by weight
Rubber content	Min. 5%
Water Loss ASTM C156-11	<0.5Kg/m <sup>2</sup>
Specific gravity	1 – 1.07 @ 25°C
Surface Drying time	Within 8 hours @ 25°C
	Within 6 hours @ 35 °C
Overcoat time	After 16 hours @ 25
	After 12 hours @ 35
Service temperature	-5°C to +80°C

### Coverage & Recommended thicknesses

CIKOseal RB-N provides coverage of 3 m<sup>2</sup> 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 m<sup>2</sup> 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 m<sup>2</sup> 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°C – 35°C.

### Precautions & Recommendations

- Not to use over standing water.
- The ambient temperature during application must be between 5 – 40°C.

### 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.

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

- Concrete admixtures and additives
- Waterproof and Damp-proof coatings
- Surface Treatments
- Walls, Flooring and Toppings
- Grouts and anchors
- Tile Adhesives and Grouts
- Concrete Repair Materials
- Adhesives and Bonding Agents
- Protective Coatings & Sealers
- Joint Sealants and Moulding compounds
- Sports Flooring
- Plastering Mortars
- Paints

### Legal Notice and Warranty

CIKO warrants this product to be free from manufacturing defects and to meet the technical properties stated in the current Technical Data Sheet, if used as directed within its shelf life. Satisfactory results depend not only on quality of product but also on many factors beyond our control. CIKO makes no other warranty or guarantee, express or implied, including warranties of merchantability or fitness for a particular purpose with respect to its product. The sole and exclusive remedy of purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of CIKO. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by purchaser. CIKO will not be responsible for any special incidental, consequential including lost profits or punitive damages of any kind. Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on CIKO's present knowledge and experience. However, CIKO assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. CIKO reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified expert.

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All CIKO products are manufactured under a strict management system conforming to and in compliance with requirements of international standards of Quality, Environmental, occupational Health and Safety ISO 9001, ISO14001 and ISO45001.