

CIKOseal RB

Rubberised, emulsified bituminous coating

Description

CIKOseal RB is a rubberised bitumen emulsion used as an anionic slow setting asphalt emulsion which serves as a tack coat for better adhesion on asphalt pavement surfaces.

CIKOseal RB also serves as 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.

Applicable standards

CIKOseal RB complies with the following:

- ASTM C 309 as a liquid membrane-forming Curing compound.
- ASTM D 977 Standard Specification for Emulsified Asphalt
- Qatar Construction Specifications

Physical properties

Form	High viscous liquid
Colour	Dark Brown
Solid Content	60% ± 5 by weight
Rubber content	Min. 10%
Elongation at Break ASTM D 412	>700%
Tensile Strength ASTM D412	>1.5 Mpa
Specific gravity	1.04-1.08 @ 25°C
Drying time	within 6 hours @ 25°C
Service temperature	-5°C to +100°C
Chemical resistance	Resistance to chlorides, sulphates, mild acids and alkalis

ASTM D 977	Min	Max
Saybolt Furol Viscosity @25°C	20	100
Sieve test	-	0.1
Residue by distillation (%wt)	57	-
Penetration on residue 100g, 5s, 25 °C	40	90
Solubility in trichloroethylene %wt	97.5	-
Storage stability, 1 day, %	-	1
Ductility , 25 °C cm/min., cm	40	-

Coverage

CIKOseal RB 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 RB 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 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 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 RB over first coat at the rate of 3.0 m² per litre.

Packaging

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

Shelf life

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

Storage

CIKOseal RB should be stored under enclosed shaded area at temperatures between 5 – 35°C.

Precautions

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

Health & safety

CIKOseal RB 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

TDS/WP20 Rev.:7 Issue: C

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

