

CIKOREPELL WB



Water repellent penetrative sealer for concrete, masonry, natural stones and pavers

Description

CIKOREPELL WB is a silane modified siloxane based water repellent dispersed in aqueous medium. It provides integral water repellence by penetrating deep into absorbent and porous substrates. CIKOREPELL WB is suitable for concrete, masonry, brick, blocks, pavers, and natural stones. CIKOREPELL WB also protects the surface from UV rays and premature weathering/ageing. Upon drying it provides a clear finish and exhibits excellent hydrophobic characteristics coupled with high breathability.

Properties & Advantages

- Single component, eco-friendly having very low VOC and ready to use material.
- Excellent penetration on mineral surfaces and is resistant to alkalis.
- Reduces chloride and water intrusion.
- Retains the breathability of the structures maintaining water repellences.
- Suitable for internal and external applications even on irregular surfaces.
- Provides good adhesion for paints and adhesives
- Cold applied by brush, roller or spray.
- Reduces efflorescence
- Enhances integrity of cement based substrates.
- Reduces the ingress of water born salts into concrete and masonry.

Application Area & Uses

CIKOREPELL WB is a superior quality water repellent protective coating suitable for,

- Architectural concrete and building facades
- Exposed brick and masonry works
- Concrete highway road surfaces, bridges and flyovers,
- Primer for acrylic based protective coatings and anti-carbonation protective coatings.
- Highly alkaline mineral substrates like parking garages, stadium etc.
- Sealer and water repellent for porous pavers, bricks, natural stones, granite, marble, etc.

Physical Properties @ 25°C

Form	Liquid
Colour	Milky white
Specific gravity	0.99 ± 0.01
Surface Drying time	4 – 6 hours
Application temp.	5°C – 45°C
Service temp.	-5°C to 90°C
VOC-USEPA-24	< 4g/L

Coverage

CIKOREPELL WB will provide coverage of 5.0m² per litre per coat. Two coats of CIKOREPELL WB applied wet on wet technique are recommended.

Note: The coverage depends on the surface type condition and porosity.



Application Instructions

Surface preparation

The surface should be free from dust and loose particles. All contaminations if present, such as oil, grease, coatings, curing films, etc. should be treated well by diamond disk grinding, high water pressure jetting, sand blasting or any other suitable means.

Prior to the application of CIKOpell WB, ensure that the surface is relatively dry and free from any standing water and wet spots.

Mixing

Stir well before use.

Application

Apply CIKOpell WB on clean surface using brush, roller or spray at a rate of 0.2 L/m²/coat until a saturated surface is achieved. Apply a second coat using the wet on wet technique before the initial coat of CIKOpell WB gets dried completely. This is generally within 10 to 15 minutes after the first coat application.

Keep the surface protected from water and accumulation of other extraneous materials for minimum 24 hours to achieve the optimum product performance.

Note: Water repellence performance is achieved after minimum 3 days of application.

Precautions and Limitations:

- Do not apply as an Anti-carbonation barrier
- Do not apply underground for waterproofing performance
- Does not withstand hydrostatic pressure
- When over-coating on site adhesion must be checked for compatibility
- Do not apply over fresh green concrete
- CIKOpell WB should not be extended with water and recommended to be used as delivered and supplied.

Packaging

CIKOpell WB is available in 5, 20 L pails and 200 L drums. 1000 L IBC tanks are available upon request.

Shelf life

CIKOpell WB has a shelf life of 12 months if stored in accordance with manufacturer instructions.

Storage

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

Precautions

CIKOpell WB should not be applied at temperatures below 5°C.

Health & safety

CIKOpell WB should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours.

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 any 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