

## Kingbond Water Block C

KB-WBC

1 & 4 Litres



### Description

**Kingbond Water Block C** is professional grade, low VOC water-based formulation which is specially engineered to deeply penetrate and shield the microscopic pores of the surfaces. Water Block C contains the nanoparticles which impregnate the substrate and react chemically and bond strongly with the substrate which produces hydrophobic treatment.

Water Block C repels water and salts and yet remains highly permeable, allowing moisture to escape from many absorbent mineral substrates, such as bricks (including vertical and horizontal concrete), sand-lime brick, natural sandstone and mineral plaster.

Water Block C also provides excellent resistance to mould, mildew and fungus.

### Advantage

- Superior water repellency
- Allow substrate to “breathe”
- Reduce concrete spalling
- Resist to mould, mildew, and fungus
- Do not change the appearance of the substrate

### Usage

Kingbond Water Block C is a high quality emulsion that substantially improves the qualities of cement mortars such as:

- Mortar
- Cement surface
- Grout
- Stucco
- Natural or artificial stones
- Bathroom wall and floor

### Composition

Pigment	:	-
Binder	:	Nano particles binder
Volume Solid	:	-
Diluent	:	Water

## Properties

Finishing	:	Transparent
Colour	:	Milky white liquid
Theoretical Coverage	:	8-9m <sup>2</sup> /L
Drying Time	:	24 hours
Recoating Interval	:	<3 hours

## Application Instruction

- The application surface must be clean and free from any grease. Wash the fungus and algae affected area. Apply Water Block C by using brush or the pipette. No dilution is required. On very absorptive surfaces re-apply within 3 hours.
- Flooding is the preferred way to achieve maximum water repellency. Two “wet on wet” coats are needed to ensure complete coverage.

## Surface Preparation

Surface must be sound, clean, dry and free from all defective or poorly adhering material, dirt, grease and wax.

## Storage Condition

Store in unopened and undamaged packaging in dry condition. Protect from direct sunlight.

## Composition / Information on Ingredients

Component	% by wt
Emulsion Polymer	< 15%
Pigment	-
Additive	< 0.5%
Water	< 84.5%

## Hazard Identification

Not classified

## First Aid Measures

Emergency And First Aid Procedures :

If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration. Keep individual calm. Call a physician. If eye contact occurs, flush with water for at least 15 minutes and call a physician. For skin contact, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Drink a glass of water and consult physician IMMEDIATELY.

## Physical And Chemical Properties

Appearance / Colour	: Viscous liquid
Percentage Of Non-volatiles	: <15%
Specific Gravity @ 25oc	: 0.95 – 1.05
*boiling Point	: 100 oC
*melting Point	: 0 oC
*vapour Pressure (Air = 1)	: >1
*vapour Density (101.3 Kpa / Air = 1)	: >1
Evaporation Rate (N – Butyl Ether = 1)	: <1
Solubility	: Miscible with water
Odour	: Mild
*properties of water	

## Fire Fighting Measures

CLASSIFICATION	: Not Combustible
*FLASH POINT	: NA
*EXPLOSIVE LIMITS (% BY VOLUME):	
LEL	: NA
UEL	: NA
FIRE EXTINGUISHING MEDIA	: Foam, CO2, Dry Powder, sand
FIRE FIGHTING PROCEDURES	: Respiratory protection is required for fire fighting personnel. Do not breathe fumes. Stay upwind, if possible.
*properties of solvent usedt	

## Accidental Release Measures

- Personal Precautions : Use appropriate safety equipment. For additional information, refer to Section 8, Personal Protection information.
- Environmental Precautions : Prevent the product from escape into soil, watercourses or drainage systems.
- Cleaning Methods : Eliminate source of ignition. Contain area and keep public away. Recover free liquid by pumping or scooping with shovel into separate container. Use sawdust, sand, earth or other absorbent to prevent material flow. Prevent liquid from entering sewers, watercourse or low areas. Dispose in accordance with local regulation.

## Handling and storage

Keep container closed when not in use. Do not handle or store near open flame, heat, sparks, or strong oxidants. Adequate ventilation required. Avoid inhalation of vapors and contact with skin and eyes. Do not keep product for a long time (>2 years). Keep good house-keeping.

## Exposure Controls / Personal Protection

- Respiratory Protection : Use approved respiratory protection such as air supplied mask if used in enclosed spaces.
- Ventilation : Sufficient ventilation should be provided during application.
- Protective Gloves : Chemically resistant gloves
- Eye Protection : Chemical splash-proof goggles or face shield

## Stability and Reactivity

- Conditions To Avoid : Heat, spark, open flame and static charge build-up
- Incompatibility (Materials To Avoid) : Strong oxidizing agents
- Decomposition Products : Carbon monoxide and carbon dioxide

## Toxicological Information

- Skin Contact : Prolonged and repeated contact may cause slight skin irritation.
- Eye Contact : Prolonged and repeated contact may cause slight temporary eye irritation.
- Inhalation : Prolonged and repeated may cause respiratory irritation. Signs and symptoms of excessive exposure may include headache, or vomiting.
- Effects Of Over Exposure : High vapour and spray mist can be irritating to the eyes, skin and the respiratory tract. Excessive inhalation can cause headache, nausea, dizziness or irritation to the respiratory tract and may have other central nervous system effects. Ingestion can cause lungs, kidney and/or liver damage. Overexposure can cause irreversible eye burns and damage. Skin and respiratory sensitization and allergic reaction such as rash, hives or asthma can occur.

## Ecological Information

No ecological studies have been carried out on this product.

## Disposal Considerations

If possible recover the product, otherwise dispose by incinerate or land fill must be in compliance with all local laws and regulation.

## Transport information

Road (Adr)	:	Not Regulated
Rail (Rid)	:	Not Regulated
Air (Icao/iata)	:	Not Regulated
Sea (Imo/imdg)	:	Not Regulated

## Regulatory Information

Regulatory information in country or region with regards to this product should be observed.

## Other Information

All information appearing herein is based on our present state of our knowledge. However the information in this MSDS may not be valid for such material used in combination with any other materials or in any process. No representation, warranty or guarantee is made as to its accuracy, reliability or completeness. We do not accept liability for any loss or damage that may occur from the use of this information.

## Company Identification

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