



## RonaBond Anti Carbonation Coating WB

Decorative, water-based, anti-carbonation coating



### FEATURES

- excellent CO<sub>2</sub> resistance
- high resistance to UV degradation
- excellent vapour permeability
- water based—environmentally friendly
- smooth finish—low dirt retention
- suitable for facades and soffits

### Description

RonaBond Anti-Carbonation Coating WB is a smooth creamy water based acrylic coating.

It is used as a protective and decorative coating for new, maintenance and refurbishment work and can be applied to most traditional building surfaces including concrete, repair mortar, render and masonry after preparation.

It provides a weather resistant surface which resists the ingress of CO<sub>2</sub> and allows the substrate to “breathe”, When applying RonaBond Crack Bridging Anti-Carbonation Coating WB to facades, RonaBond Anti-Carbonation Coating WB should be used for soffits and below DPC level, to reduce the risk of blistering associated with elastomeric coatings applied to substrates containing high levels of moisture. The semi-thick nature of RonaBond Anti-Carbonation Coating WB provides high opacity.

### Technical Properties

#### Carbon Dioxide Permeability

S<sub>D</sub> (BS EN 1062-6) ≥60m

#### Permeability to water Vapour

S<sub>D</sub> (BS EN ISO7783-2)\* <0.25m

\*The criterion for an acceptable anti-carbonation coating is for S<sub>D</sub> to be equal to, or less than 4m

#### Capillary Absorption

BS EN 1062-3 ≤ 0.05 kg m<sup>-2</sup>.h<sup>-0.5</sup>

#### Adhesion Bond

BS EN 1542 ≥3.5N/mm<sup>2</sup>

#### VOC Content

<50g/ltr

#### Fire

Non-flammable

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## Physical Properties

Liquid state	semi-viscous coating
Description	Acrylic dispersion in water.
Dry film appearance	Smooth satin finish
Solids by weight	57 ± 2% (white)
Density	1.3 ± 0.1 g/cm <sup>3</sup>

## Drying times

Touch dry	30 minutes to 2 hours
Recoatable	4-5 hours

## Coverage

on smooth substrate	0.13 - 0.16 litres/m <sup>2</sup> per coat
Number of coats	minimum 2
Method of application	Roller or airless spray

It is important to note that coverage rates are based on flat, non-porous surfaces, make no allowance for wastage and are the minimum that should be allowed for. Additional material will be required on surfaces which are either uneven or porous.

Drying times are based on 20°C and 65% RH. Drying will vary at different temperatures and RH.

## Colours

RonaBond Anti-Carbonation Coating WB is available in white. Others colours are available subject to minimum order quantity and surcharge.

## Limitations

Do not apply below 5°C or above 35°C. Do not apply where live crack accommodation is required; use RonaBond Crack Bridging Anti-Carbonation Coating WB.

RonaBond Anti-Carbonation Coating WB can be applied to previously painted surfaces provided paint is sound and well bonded. Site trials are advised including cross hatch and sponge testing.

## Instructions for Use

### Surface Levelling Prior To Application

The application of RonaBond Anti-Carbonation Coating WB (and other paints/coatings) will highlight surface imperfections and undulations. Surface levelling and smoothing with RonaBond Easy Skim FC should be considered.

### Application

1. Prepare substrate by suitable means (e.g. grit blasting, high pressure water jetting, scraping or chemical removal) to provide a sound, stable and clean surface.
2. Treat surfaces with a fungicidal treatment as necessary to eliminate surface contamination, moss, algae, fungal growth, etc.
3. Repair defective surfaces with a suitable Ronacrete repair mortar
4. Apply the first coat of undiluted RonaBond Anti-Carbonation Coating WB at 0.13-0.16 litres/m<sup>2</sup>, coverage may be reduced on textured substrates. Highly absorbent and dark substrates may require a primer coat of RonaBond Anti-Carbonation Coating WB diluted with 10% clean water.

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## Instructions for Use (continued)

5. Apply using a roller or airless spray. Allow to dry.
6. Apply the final coat of undiluted RonaBond Anti-Carbonation Coating WB at 0.13-0.16 litres/m<sup>2</sup> and allow to dry, coverage may be reduced on textured substrates.

## Packaging

RonaBond Anti-Carbonation Coating WB is supplied in 20 litre units.

## Shelf Life and Storage

Store in frost free conditions away from direct heat and sunlight. Shelf life is 12 months from date of manufacturer in unopened containers.

## Health and Safety

Non-toxic and non-hazardous; see health and safety data.

## Site attendance

When on site Ronacrete representatives are able, if asked, to give a general indication of the correct method of installing a Ronacrete product. It is important to bear in mind that Ronacrete Ltd is a manufacturer and not an application contractor and it is therefore the responsibility of the contractor and his employer to ensure he is aware of and implements the correct practices and procedures to ensure the correct installation of the product and that liability for its correct installation lies with the contractor and not with Ronacrete Ltd.

The information detailed in this leaflet is liable to modification from time to time in the light of experience and of normal product application, and before using, customers are advised to check with Ronacrete Ltd, quoting the reference number, that they possess the latest issue. Any person or company using the product without first making further enquiries as to the suitability of the product for the intended use does so at his own risk, and Ronacrete Ltd can accept no responsibility for the performance of the product, or for any loss or damage arising out of such use.