

# RonaBond Clear Cracking Bridging Anti Carbonation Coating

Clear, elastomeric, waterproof, anti-carbonation coating



## FEATURES

- clear waterproof elastomeric coating
- transparent finish
- retains surface appearance
- waterproof
- accommodates live substrate movement
- highly elastomeric, up to 0.5mm live crack accommodation
- excellent CO<sub>2</sub> diffusion resistance
- suitable for vertical facades above dpc level
- 10 year insurance backed warranty available

## Description

RonaBond Clear Crack Bridging Anti-Carbonation Coating is a clear, elastomeric, waterproof, anti-carbonation coating for concrete and masonry. It is a single component polyurethane coating designed for application to concrete, exposed aggregate and rendered surfaces. It protects surfaces from the ingress of moisture and gases which can break down and attack concrete, especially reinforced concrete. It has good resistance to dirt and atmospheric pollution.

## Systems

### RonaBond Clear Crack Bridging Anti-Carbonation Coating 2 For 0.2mm Live Crack Accommodation

1 coat RonaBond Clear Crack Bridging Anti-Carbonation Primer @ 8m<sup>2</sup> per litre  
1 coat RonaBond Clear Crack Bridging Anti-Carbonation Coating @ 4m<sup>2</sup> per litre

### RonaBond Clear Crack Bridging Anti-Carbonation Coating 5 For 0.5mm Live Crack Accommodation

1 coat RonaBond Clear Crack Bridging Anti-Carbonation Primer @ 8m<sup>2</sup> per litre  
2 coats RonaBond Clear Crack Bridging Anti-Carbonation Coating @ 4m<sup>2</sup> per litre

## Test Data

### Carbon Dioxide Diffusion Resistance

#### (RonaBond Clear Crack Bridging Anti-Carbonation Coating 2)

R (equivalent air layer thickness) - see note 1	227m
S <sub>c</sub> (equivalent thickness of concrete)	0.57m
DFT (dry film thickness) of sample	257 microns

note 1 Klopfer criterion for effective anti-carbonation coating is R greater than 50 metres

Tests by Taywood Engineering Ltd, Test Certificate No. 2871 "Cereglass". RonaBond Clear Crack Bridging Anti-Carbonation Coating is based on same resins as Cereglass.

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## Physical Properties

### RonaBond Clear Crack Bridging Anti-Carbonation Primer

Liquid state	clear colourless liquid
Description	flexible clear one-part aliphatic polyurethane elastomeric based primer
Dry film appearance	clear colourless liquid
Viscosity	1.2 poise
Dry film solids by weight	46% ± 2%
Density	0.97 ± 0.02
Flash point	between 21°C and 55°C

### Drying times

surface dry	3 hours
recoatable	6 hours
Coverage	8m <sup>2</sup> per litre
Number of coats	1
Method of application	RonaBond roller

### RonaBond Clear Crack Bridging Anti-Carbonation Coating

Liquid state	clear colourless liquid
Description	flexible clear one-part aliphatic polyurethane elastomeric coating for walls
Dry film appearance	clear coating; slight surface sheen
Viscosity	75 poise ± 10
Dry film solids by weight	62% ± 2%
Density	1.05 ± 0.05
Flash point	between 21°C and 55°C

### Drying times

surface dry	3 hours
recoatable	6 hours
Coverage	4m <sup>2</sup> per litre per coat depending on specification
Number of coats	1 or 2 depending on specification
Method of application	RonaBond roller

## Colours

RonaBond Clear Crack Bridging Anti-Carbonation Coating and RonaBond Clear Crack Bridging Anti-Carbonation Primer are delivered to site ready to use. They are available in clear only.

**Note: If coloured coatings are required use RonaBond Crack Bridging Anti-Carbonation Coating WB which can be tinted in a wide (120+) range of pastel colours, produced and pigmented by Ronacrete in the UK.**

Applied by roller RonaBond Clear Crack Bridging Anti-Carbonation Coating is moisture curing and can therefore be used internally or externally. It is not to be used on surfaces where excessive moisture within the structure must be allowed to escape.

RonaBond Clear Crack Bridging Anti-Carbonation Primer is applied to the prepared surface before application of RonaBond Clear Crack Bridging Anti-Carbonation Coating.

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## Limitations

Do not apply on soffits or at dpc level where water or vapour must be allowed to pass through the surface. Avoid application in strong direct sunlight or strong dry winds. Apply sample area to ensure appearance is satisfactory. Apply at air and substrate temperatures between 5°C and 35°C.

## Instructions for Use

### Preparation

Prepare the substrate by suitable means (e.g. blasting, high pressure water/grit, scraping, chemical removal) to provide a sound and stable and clean surface; surfaces may be damp but not wet with running water or condensation. Treat surfaces with RonaBond Fungicidal Treatment as necessary to eliminate surface contamination, moss, algae, fungal growth, etc

### Surface Levelling and Repair Prior To Application

The application of RonaBond Anti-Carbonation Coatings (and other paints/coatings) will highlight and exaggerate surface imperfections and undulations. Surface levelling and smoothing with RonaBond FC or Ronafix Slurry Coat should be considered. Note that repairs may show through the transparent coating.

### Priming

Apply RonaBond Clear Crack Bridging Anti-Carbonation Primer and allow to dry.

### Cracks

Fill fine cracks with RonaBond Stop Crack using a palette knife as appropriate.

### Application

Apply one or more coats of RonaBond Clear Crack Bridging Anti-Carbonation Coating to achieve the specified film thickness and / or live crack accommodation performance requirement. Apply by RonaBond roller. Allow to dry. Apply successive coats as required to achieve the required dry film thickness and required degree of live crack accommodation.

## 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.

## Packaging

RonaBond Clear Cracking Bridging Anti Carbonation Coating and Primer are supplied in 16 litre tins.

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## Shelf Life and Storage

Store containers upside down in a cool well ventilated location in dry warehouse conditions away from frost, direct heat and sunlight. Shelf life 6 months in unopened containers.

## Health and Safety

RonaBond Clear Crack Bridging Anti-Carbonation Coating and RonaBond Clear Crack Bridging Anti-Carbonation Primer are inflammable and an irritant to the eyes. Wear suitable protective clothing and use in well ventilated areas. See Health and Safety data sheet.

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.