

## RonaBond Crack Bridging Anti-Carbonation Coating WB

High build, elastomeric & waterproof anti-carbonation coating



### FEATURES

- high build anti-carbonation coating; excellent CO<sub>2</sub> resistance
- excellent self-cleaning properties
- matt finish
- elastomeric & waterproof façade coating
- colours from Zolpachrom 2 & 3 ranges + suitable RAL colours
- dynamic crack accommodation up to 2mm
- water based
- Excellent application properties
- Prime normal porosity backgrounds with diluted coating, less wastage

### Description

RonaBond Crack Bridging Anti-Carbonation Coating WB is a façade coating formulated on a water based acryl-siloxane. It is used as a waterproof decorative coating and can be applied to most traditional building surfaces after suitable preparation. The addition of siloxane improves shedding of pollutants from the surface and resistance to migration residues from the substrate. The addition of glass micro-spheres improves application properties and vapour transmission.

RonaBond Crack Bridging Anti-Carbonation Coating WB is a high build elastomeric, waterproof and carbonation resistant coating. It protects facades against water ingress while allowing improved diffusion of normal levels of moisture vapour from the background provided by inclusion of glass micro-spheres in the formulation. The micro-spheres also provide improved application characteristics. When applied to reinforced concrete it provides excellent protection against corrosion of reinforcement.

### Systems

**RonaBond Crack Bridging Anti-Carbonation Coating WB System 2 for 0.2mm live crack accommodation, primed with 10% dilution of RonaBond Crack Bridging Anti-Carbonation Coating WB for normal porosity backgrounds.**

1 coat primer—diluted coating for normal porosity background @ 6-7m<sup>2</sup> per litre  
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 4m<sup>2</sup> per litre

**RonaBond Crack Bridging Anti-Carbonation Coating WB System 2 for 0.2mm live crack accommodation, primed with RonaBond Crack Bridging primer for high suction backgrounds.**

1 coat primer — See “Primers for RonaBond Crack Bridging Anti-Carbonation Coating WB” data sheet  
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 3.7m<sup>2</sup> per litre

**RonaBond Crack Bridging Anti-Carbonation Coating WB System 5 for 0.5mm live crack accommodation, primed with 10% dilution of RonaBond**

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## Systems (continued)

### **Crack Bridging Anti-Carbonation Coating WB for normal porosity backgrounds.**

1 coat primer—diluted coating for normal porosity background @ 6-7m<sup>2</sup> per litre  
2 coats RonaBond Crack Bridging Anti-Carbonation Coating WB @ 4.85m<sup>2</sup> per litre

### **RonaBond Crack Bridging Anti-Carbonation Coating WB System 5 For 0.5mm live crack accommodation primed with RonaBond Crack Bridging primer for high suction backgrounds.**

1 coat primer — See “Primers for RonaBond Crack Bridging Anti-Carbonation Coating WB” data sheet  
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 4.0m<sup>2</sup> per litre  
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 4.85m<sup>2</sup> per litre

### **RonaBond Crack Bridging Anti-Carbonation Coating WB System 10 for 1.0mm live crack accommodation, primed with 10% dilution of RonaBond Crack Bridging Anti-Carbonation Coating WB for normal porosity backgrounds.**

1 coat primer—diluted coating for normal porosity background @ 6-7m<sup>2</sup> per litre  
2 coats RonaBond Crack Bridging Anti-Carbonation Coating WB @ 4.0m<sup>2</sup> per litre per coat

### **RonaBond Crack Bridging Anti-Carbonation Coating WB System 10 For 1.0mm live crack accommodation primed with RonaBond Crack Bridging primer for high suction backgrounds.**

1 coat primer — See “Primers for RonaBond Crack Bridging Anti-Carbonation Coating WB” data sheet  
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 3.45m<sup>2</sup> per litre  
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 4.0m<sup>2</sup> per litre

### **RonaBond Crack Bridging Anti-Carbonation Coating WB System 20 For 2.0mm live crack accommodation primed with 10% dilution of RonaBond Crack Bridging Anti-Carbonation Coating WB for normal porosity backgrounds.**

1 coat primer—diluted coating for normal porosity background @ 6-7m<sup>2</sup> per litre  
2 coats RonaBond Crack Bridging Anti-Carbonation Coating WB @ 3.0m<sup>2</sup> per litre per coat  
1 layer RonaBond Crack-bridging Fabric  
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 3.0m<sup>2</sup> per litre

### **RonaBond Crack Bridging Anti-Carbonation Coating WB System 20 For 1.0mm live crack accommodation primed with RonaBond Crack Bridging primer for high suction backgrounds.**

1 coat primer — See “Primers for RonaBond Crack Bridging Anti-Carbonation Coating WB” data sheet  
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 2.7m<sup>2</sup> per litre  
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 3.0m<sup>2</sup> per litre  
1 layer RonaBond Crack-bridging Fabric  
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 3.0m<sup>2</sup> per litre  
When using the RonaBond Crack Bridging Anti-Carbonation Coating WB 2 system, the primer should be either RonaBond Crack Bridging Anti-Carbonation Primer WB or RonaBond Crack Bridging Anti-Carbonation Coating WB may be diluted with 10% clean water and used as a primer.

# RonaBond Crack Bridging Anti-Carbonation Coating WB

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## Physical Properties

Liquid State	semi-thick coating
Description	Acryl-siloxane dispersion in water.
Dry film appearance	matt finish
Dry film solids by weight	69 ± 1% (white)
Density	1.22 ± 0.05
Viscosity	120—200 poise
Flash point	none
Coverage	Between 2.7 and 4.85m <sup>2</sup> per litre per coat depending on specification
Number of coats	Depending on specification
Method of application	RonaBond roller, airless spray

## Drying times

surface dry	2 hours
Recoatable	24 hours

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. 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.

## Colours

Colours can be chosen from the Zolpachrom 3 colour range, RonaBond Crack Bridging Anti-Carbonation Coating WB can only be produced in colours with the suffixes PA, ME and TR in the Zolpachrom 3 colour range. Some RAL and BS colours can also be produced, consult Ronacrete technical department for further information. A light reflectance value of 35 or greater should be chosen for façade coatings.

## Limitations

Do not apply below 5°C or above 35°C. Do not apply on soffits or below DPC level or to structures containing high levels of moisture; in these locations use RonaBond Anti Carbonation Coating WB. RonaBond Crack Bridging Anti-Carbonation Coating WB can be applied on to previously painted surfaces provided the paint is sound, well bonded and the correct primer has been chosen. Site trials are advised including cross hatch and sponge testing.

## 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 contaminated with moss, algae, fungal growth, etc with RonaBond Fungicidal Treatment.

### Surface Levelling and Repair Prior To Application

The application of RonaBond Crack Bridging Anti-Carbonation Coating WB (and other paints/coatings) will highlight and exaggerate surface imperfections and

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## Instructions for Use (continued)

undulations. Uneven surfaces may be levelled with RonaBond Easy Skim FC.

### Priming

Apply the most appropriate primer and allow to dry (see data sheet for RonaBond Crack Bridging Anti-Carbonation Coating Primers). RonaBond Crack Bridging Anti-Carbonation Coating WB diluted with 10% clean water may also be used when priming existing water based paints and protective coatings.

### Cracks

Fill fine cracks with RonaBond Stop Crack using a palette knife as appropriate, application should be repeated until the dry crack filler has fully filled the crack.

### Application

Apply one or more coats of RonaBond Crack Bridging Anti-Carbonation Coating WB (system dependent) to achieve the specified film thickness and / or dynamic crack accommodation requirement. Apply by RonaBond long-haired roller or airless spray. A mottled surface texture is a good indicator of adequate spread rate but regular use of a wet film gauge is recommended to ensure the correct coverage. When applying RonaBond Crack Bridging Anti-Carbonation Coating WB 20, RonaBond Crack-bridging Fabric should be pasted into the fresh second layer of RonaBond RonaBond Crack Bridging Anti-Carbonation Coating WB, care should be taken to eliminate bubbles and folds in the fabric.

RonaBond Crack Bridging Anti-Carbonation Coating WB can be applied using airless spray. The nozzle size shall be 625-629. Included within the spray should be a 60 mesh filter. Dilution of the coating can be made with water between 2-10%.

## Other Surfaces

RonaBond Crack Bridging Anti-Carbonation Coating WB can be used on woodwork and steel when the appropriate primers are used. Refer to the Ronacrete Technical Department.

## Packaging

RonaBond Crack Bridging Anti-Carbonation Coating WB is supplied in 16 litre containers.

## Shelf Life and Storage

Store in frost free conditions away from direct heat and sunlight. Shelf life one year in unopened containers.

## Health and Safety

Refer to Safety Data Sheet.


## 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.



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 <b>0836</b>
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<b>0836-CPR-13/F045</b> <b>BS EN 1504-2</b> <b>Surface Protection Systems for Concrete</b>
<b>Permeability to Carbon dioxide   <math>\text{CO}_2 \text{ S}_D &gt; 50\text{m}</math></b>

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.