

RonaBond Crack Bridging Anti-Carbonation Coating WB

High build, elastomeric & waterproof anti-carbonation coating



FEATURES

- high build anti-carbonation coating; excellent CO₂ 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
- 10 year insurance backed warranty available

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.

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 diffusion of normal levels of moisture vapour from the background. 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

1 coat primer

1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 3.5m² per litre

RonaBond Crack Bridging Anti-Carbonation Coating WB System 5 For 0.5mm live crack accommodation

1 coat primer

2 coats RonaBond Crack Bridging Anti-Carbonation Coating WB @ 5m² per litre

RonaBond Crack Bridging Anti-Carbonation Coating WB System 10 For 1.0mm live crack accommodation

1 coat primer

1 coat RonaBond Crack Bridging Intermediate Coat @ 3.13m² per litre

1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 3.5m² per litre

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Systems (continued)

RonaBond Crack Bridging Anti-Carbonation Coating WB System 20 For 2.0mm live crack accommodation

- 1 coat primer
- 1 coat RonaBond Crack Bridging Intermediate Coat @ 3.13m² per litre with RonaBond Crack Bridging Fabric
- 1 coat RonaBond Crack Bridging Intermediate Coat @ 3.13m² per litre
- 1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 3.5m² 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 Primer S tinted to the same colour as the top coat of RonaBond Crack Bridging Anti-Carbonation Coating WB. Alternatively, RonaBond Crack Bridging Anti-Carbonation Coating WB may be diluted with 30% clean water and used as a primer.

Physical Properties

Liquid State	semi-thick paint
Description	Acryl-siloxane dispersion in water. Contains a protective fungicide and corrosion inhibitor
Dry film appearance	matt finish
Viscosity	140 ± 5KU
Dry film solids by weight	68± 2% (white)
Density	1.45 ± 0.05
Flash point	none
Coverage	3.5 or 5m ² per litre per coat depending on specification
Number of coats	1 or 2 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 2 & 3 colour ranges, RonaBond Crack Bridging Anti-Carbonation Coating WB can only be produced in colours with the suffixes P & M in Zolpachrom 2 and PA & PM in Zolpachrom 3. Some RAL and BS colours can also be produced, consult Ronacrete technical department for further information.

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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 Zolpacryl. RonaBond Crack Bridging Anti-Carbonation Coating WB can be applied on to previously painted surfaces provided 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 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 30% 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 first layer of RonaBond Crack-bridging Intermediate Coat, care should be taken to eliminate bubbles and folds in the fabric. The second layer of RonaBond Crack-bridging Intermediate Coat must be applied before the first coat has dried.

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%.

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



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Site Attendance (continued) 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.

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 tins.

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.

 0836
Ronacrete Ltd, Flex Meadow, Harlow Essex, CM19 5TD, UK 13
0836-CPR-13/F045 BS EN 1504-2 Surface Protection Systems for Concrete
Permeability to Carbon dioxide CO₂ S_D > 50m

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.