

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
- 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 @ 6-7m² per litre
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 4m² 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 @ 3.7m² per litre

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Systems (continued)

RonaBond Crack Bridging Anti-Carbonation Coating WB System 5 for 0.5mm 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 @ 6-7m² per litre
2 coats RonaBond Crack Bridging Anti-Carbonation Coating WB @ 4.85m² 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 @ 4.0m² per litre
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 4.85m² 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 @ 6-7m² per litre
2 coats RonaBond Crack Bridging Anti-Carbonation Coating WB @ 4.0m² 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 @ 3.45m² per litre
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 4.0m² 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 @ 6-7m² per litre
2 coats RonaBond Crack Bridging Anti-Carbonation Coating WB @ 3.0m² per litre per coat
1 layer RonaBond Crack-bridging Fabric
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 3.0m² 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 @ 2.7m² per litre
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 3.0m² per litre
1 layer RonaBond Crack-bridging Fabric
1 coat RonaBond Crack Bridging Anti-Carbonation Coating WB @ 3.0m² per litre

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Systems (continued)

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.

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 ² 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 & PM in Zolpachrom 3. Some RAL and BS colours can also be produced, consult Ronacrete technical department for further information.

Limitations

Do not apply below 5°C or above 35°C. Do not apply on soffitts 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;

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Instructions for Use (continued)

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 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.

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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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.

 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 $CO_2 S_D > 50m$

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