



Ronabond Joltec Transparent

Clear elastomeric, waterproof, anti-carbonation coating for concrete and masonry

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 CO₂ diffusion resistance (see Table 2)
- ✓ suitable for vertical facades above dpc level
- ✓ 10 year insurance backed warranty available

SPECIFICATION CLAUSES

1. Transparent anti-carbonation coating for external vertical walls to accommodate 0.2mm live crack movement

The anti-carbonation coating shall be Ronabond Joltec 2 Transparent by Ronacrete Ltd, telephone +44 (0) 1279 638700. The coating shall be applied on Ronabond Joltec Transparent Primer. All materials to be applied in accordance with manufacturers instructions.

2. Transparent anti-carbonation coating for external vertical walls to accommodate 0.5mm live crack movement

The anti-carbonation coating shall be Ronabond Joltec 5 Transparent by Ronacrete Ltd, telephone +44 (0) 1279 638700. The coating shall be applied on Ronabond Joltec Transparent Primer. All materials to be applied in accordance with manufacturers instructions.

SUMMARY APPLICATION PROCEDURE

Ronabond Joltec 2 Transparent

1. prepare surfaces
2. apply primer
3. apply one coat of Ronabond Joltec Transparent

Ronabond Joltec 5 Transparent

1. prepare surfaces
2. apply primer
3. apply 2 coats of Ronabond Joltec Transparent

Description

Ronabond Joltec Transparent 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 new and existing 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.

Colours

Supply and Colours

Ronabond Joltec Transparent and Ronabond Joltec Transparent Primer are delivered to site ready to use. They are available in clear only.

Note: If coloured coatings are required use Ronabond Joltec Smooth which can be tinted in a wide (120+) range of pastel colours, produced and pigmented by Ronacrete in the UK.

Applied by roller Ronabond Joltec Transparent 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 Joltec Transparent Primer is applied to the prepared surface before application of Ronabond Joltec Transparent.

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.

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 Ronacrete Fongimousse Plus as necessary to eliminate surface contamination, moss, algae, fungal growth, etc

Surface Levelling and Repair Prior To Application

The application of Ronabond Joltec (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 Joltec Transparent 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 Joltec Transparent to achieve the specified film thickness and / or live crack accommodation performance requirement. Apply by Joltec 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.

Insurance Underwriting

A 10 year insurance underwritten guarantee is available on Ronabond Joltec systems offering the contractor and client financial protection against product or application failure. Conditions apply; survey, inspection and approved contractor status required. Refer to the Ronacrete Technical Department.

Packaging, Storage

Supplied in 16 litre tins. 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 Joltec Transparent and Ronabond Joltec Transparent 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.

Other protective coating systems

Ronabond Zolpacryl (non-elastomeric), Ronabond Anti-Graffiti Coatings, Styzol Thixo for low temperature working.

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Table 1: Joltec Transparent Systems

Live crack accommodation	System	Coats
0.2mm	Ronabond Joltec 2 Transparent	1 coat Joltec Transparent Primer @ 8m ² per litre 1 coat Joltec Transparent @ 4m ² per litre
0.5mm	Ronabond Joltec 5 Transparent	1 coat Joltec Transparent Primer @ 8m ² per litre 2 coats Joltec Transparent @ 4m ² per litre per coat

Table 2: Test Data

Carbon Dioxide Diffusion Resistance (Ronabond Joltec 2 Transparent)

R (equivalent air layer thickness) - see note 1	227m
S _c (equivalent thickness of concrete)	0.57m
DFT (dry film thickness) of sample	257 microns

Test Data: Moisture Vapour Transmission

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". Joltec Transparent is based on same resins as Cereglass.

Table 3: Physical Properties

	Ronabond Joltec Transparent Primer	Ronabond Joltec Transparent
Liquid state	clear colourless liquid	clear colourless liquid
Description	flexible clear one-part aliphatic polyurethane elastomer based primer	flexible clear one-part aliphatic polyurethane elastomer coating for walls
Dry film appearance	clear colourless liquid	clear coating; slight surface sheen
Viscosity	1.2 poise	75 poise ± 10
Dry film solids by weight	46% ± 2%	62% ± 2%
Density	0.97 ± 0.02	1.05 ± 0.05
Flash point	between 21°C and 55°C	between 21°C and 55°C
Drying times surface dry	3 hours	3 hours
recoatable	6 hours	6 hours
Coverage	8m ² per litre	4m ² per litre per coat depending on specification
Number of coats	1	1 or 2 depending on specification
Method of application	Joltec roller	Joltec roller

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.

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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.



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