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Ronacrete

Technical Data Sheet

Ronabond Elastomeric Anti Carbonation Coating

Pigmented protective and decorative coating for facades

Description
Ronabond Elastomeric Anti-carbonation Coating is a water based acrylic coating for application to and protection of exterior concrete, render, brickwork and other substrates. Ronabond Elastomeric Anti-carbonation Coating is micro-porous and elastomeric. It can be used as a protective or decorative coating for new and refurbishment work.

Ronabond Elastomeric Anti-carbonation Coating is highly elastic, waterproof and an excellent anti carbonation coating. It protects surfaces from the ingress of water and slows the passage of water vapour. Ronabond Elastomeric Anti-carbonation Coating is an effective barrier against carbon dioxide gas, which can permeate concrete and cause corrosion of steel and spalling of concrete.

Colours
10 stock colours: Black, Brilliant White, Rustic White, Magnolia, Gardenia, Pink Marble, Sand, Buttermilk, Cream, Papyrus. Most BS and RAL colours available to special order subject to minimum quantity and lead time.

Features
- smooth finish
- waterproof
- elastomeric, up to 0.3mm live crack accommodation
- effective resistance to CO_2 diffusion
- excellent opacity
- suitable for vertical facades above dpc level
- large colour range available
- same day recoating
- water based; non hazardous
- UV curing

Surface Levelling Prior To Application
Ronabond Elastomeric Anti-carbonation Coating (as all thin film paints and coatings) will highlight and exaggerate surface imperfections and undulations. Surface levelling and smoothing with Ronabond Easy Skim FC should be considered.

Application
1. Prepare 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.
2. Treat surfaces with Ronabond Fongimousse Plus as necessary to eliminate surface contamination, moss, algae, fungal growth, etc.
3. Repair defective surfaces with a suitable Ronacrete repair mortar as required.
4. If a surface smoothing or texture coat is required apply Ronabond Easy Skim FC, a smooth levelling coat, or Ronafix Slurry Coat, a textured levelling coat.
5. On untreated surfaces, new render or any porous substrate, dilute the first coat of Ronabond Elastomeric Anti-carbonation Coating with approximately 30% clean potable water.
6. After priming fill fine cracks with Ronabond Stop Crack using a palette knife as appropriate.
7. Apply two or more coats of Ronabond Elastomeric Anti-carbonation Coating to achieve the specified film thickness and / or live crack accommodation performance requirement.
8. Allow to dry

Limitations
Do not apply on surfaces through which water must be allowed to pass or escape. Ronabond Elastomeric Anti-carbonation Coating is waterproof and elastomeric and will prevent the passage of water. If water permeability must be allowed, Ronabond Zolpacryl should be applied.

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.

DATA	
No of coats	2 (minimum)
CO_2 diffusion resistance	R > 50m of air
Live crack accommodation	0.3mm
Elongation to break	400%*
First coat if undiluted	up to 10m^2 per litre per coat
First coat if diluted	up to 13m^2 per litre per coat
Second coat	up to 10m^2 per litre per coat
Pack sizes	5, 20 litres
Touch dry	2 hours @ 18°C, 65% RH
Overcoat	4 hours @ 18°C, 65% RH
Wet film thickness at 10m^2 per litre per coat	100 microns
Dry film thickness at 10m^2 per litre per coat	42 microns
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.	
Standard colour range; please consult Ronacrete Technical Department for other colours	Black, Brilliant White, Rustic White, Magnolia, Gardenia, Pink Marble, Sand, Buttermilk, Cream, Papyrus

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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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Ronacrete
manufacturer of specialist construction products

Ronacrete Ltd, Ronac House, Flex Meadow, Merring Way, Harlow, Essex CM19 5TD, U.K.
Tel: +44 (0)1279 638700 www.ronacrete.co.uk technical@ronacrete.co.uk