



Ronabond Zolpacryl

Anti-carbonation, protection and decorative coating concrete and masonry

FEATURES

- ✓ anti-carbonation coating
- ✓ smooth finish
- ✓ flexible
- ✓ water resistant
- ✓ pigmented
- ✓ suitable for walls, vertical surfaces and undersides of soffits

SPECIFICATION CLAUSES

1. Anti-carbonation coating

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

SUMMARY APPLICATION PROCEDURE

1. prepare surfaces
2. apply two coats of Ronabond Zolpacryl

Description

Ronabond Zolpacryl is a smooth creamy paint applied coating formulated on 100% acrylic resin with a water base.

It is used as a protective and decorative coating for new, maintenance and refurbishment work and can be applied to most traditional building surfaces including concrete, repair mortar, render and masonry after preparation.

It protects surfaces from the ingress of water and slows the passage of water vapour. It is an effective barrier against carbon dioxide gas which can permeate concrete, in turn causing corrosion of steel and spalling of concrete.

Features

- ✓ smooth 'satin' finish
- ✓ rain waterproof
- ✓ flexible coating
- ✓ excellent CO₂ diffusion resistance (see Table 1)
- ✓ excellent obliteration and opacity
- ✓ suitable for vertical facades, on soffits and at dpc level
- ✓ white, black and 750+ pastel shades readily available
- ✓ same day recoating
- ✓ 5 year insurance backed warranty available
- ✓ water based; not hazardous

Ronabond Zolpacryl is particularly suited for application on surfaces behind which water may be trapped and must be allowed to pass through. An example is balcony soffits; rain water ponding on the top of the balcony may penetrate the concrete slab through faults or cracks. Ronabond Zolpacryl, being non-elastomeric, will allow the water to pass through cracks or fissures more readily than an elastomeric coating (e.g. Ronacrete Joltec).

The semi-thick nature of Ronabond Zolpacryl provides high opacity and obliteration.

Colours

Ronabond Zolpacryl is pigmented in the UK and more than 750 shades are readily available from UK stock. See colour chart.

Limitations

Do not apply below 5°C or above 35°C. Do not apply where live crack accommodation is required; use Ronabond Joltec.

Ronabond Zolpacryl can be applied on to previously painted surfaces provided paint is sound, well bonded and tolerant of Ronabond Zolpacryl. Site trials are advised including cross hatch and sponge testing.

Surface Levelling Prior To Application

The application of Ronabond Zolpacryl (and other paints/coatings) will highlight and exaggerate surface imperfections and undulations. Surface levelling and smoothing with Ronabond FC or Ronabond Slurry Coat 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 Ronacrete Fongimousse Plus as necessary to eliminate surface contamination, moss, algae, fungal growth, etc.
3. Repair defective surfaces with a suitable Ronacrete repair mortar
4. Apply the first coat of undiluted Ronabond Zolpacryl at 10m² per litre (or diluted with up to 10% water for unpainted surfaces).
5. Apply using the Joltec long haired woollen roller or airless spray. Allow to dry.
6. Apply the final coat of undiluted Ronabond Zolpacryl at 10m² per litre and allow to dry

Ronabond Zolpacryl can be applied using airless spray. The nozzle size shall be 619-621. Included within the spray should be a 60 mesh filter. Dilution of the coating can be made with water between 2-10%. Coverage on to smooth surfaces will be 8m² per litre per coat.

Insurance Underwriting

A 5 year insurance underwriting is available on Ronabond Zolpacryl 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.

Other surfaces

Ronabond Zolpacryl can be used on woodwork and steel when the appropriate primers are used. Refer to the Ronacrete Technical Department.

Packaging, Storage/Health & Safety

Supplied in 16 litre tins. Store in frost free conditions away from direct heat and sunlight. Shelf life one year in unopened containers. Non-toxic and non-hazardous; see health and safety data.

Other protective coating systems

Joltec (pigmented), Joltec Transparent (clear elastomeric), Ronabond Anti-Graffiti Coatings, Styzol Thixo for low temperature working.

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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Test Data: Carbon Dioxide Diffusion Resistance

R (equivalent air layer thickness) - see note 1	209m
S _c (equivalent thickness of concrete)	0.52m
DFT (dry film thickness) of sample	162 microns

Test Data: Moisture Vapour Transmission

S _D (equivalent air layer thickness) - see note 2	1.0m
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note 1 Klopfer criterion for effective anti-carbonation coating is R greater than 50 metres

note 2 The criterion for an acceptable anti-carbonation coating is for S_D to be equal to, or less than, 4m

Tests by Taywood Engineering Ltd
Test Certificate No. 2867

Physical Properties

Liquid state	semi-thick paint
Description	100% acrylic dispersion in water. Contains a protective fungicide and corrosion inhibitor
Dry film appearance	Smooth dappled finish
Viscosity	112 ± 5KU
Dry film solids	64 ± 2% (white)
Density	1.48 ± 0.05
Flash point	none
Drying times	surface dry 30 minutes recoatable 2 hours
Coverage	10m ² per litre per coat
Number of coats	2
Method of application	Joltec roller, airless spray

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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RONL 030 Issue 3 27th March 2010

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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