

Ronabond PGC

Polyurethane based anti-graffiti coating

Description

The Ronabond PGC permanent anti graffiti coating system is a complete system for permanent protection of surfaces against graffiti and other surface marks.

Characteristics

- High resistance to graffiti
- Retained performance despite repeated cleaning
- Excellent adhesion in aggressive exposures
- High chemical and mechanical resistance
- Absence of yellowing
- Does not affect surface appearance

The permanent anti-graffiti system may be applied internally or externally on to new or old substrates and allow the natural appearance of the substrate to be retained.

It offers efficient protection against graffiti, atmospheric dirt and various surface markings. Typical surfaces include public buildings, car parks, lifts, underpasses, walkways etc. It is especially recommended where frequent cleaning of graffiti is likely.

Components

The Ronabond PGC system comprises:

- 1 coat Ronabond PGC Primer
- 1 coat Ronabond PGC Varnish

Substrates

Ronabond PGC can be applied to most building surfaces including concrete, cement render, bricks, resin mortars, hard plastics, lacquered metal, old paints or soundly adhering coatings.

It is essential to check the nature and soundness of the surfaces for proposed treatment. On each surface a prior test area is recommended to determine the required system and coverage of products. Check sensitivity of the surfaces to be treated to judge the results. In case of any doubt consult the Ronacrete Technical Department.

Primer

Ronabond PGC Primer is a water based copolymer acrylic sealer. It is used to even out absorption of porous surfaces and allow even and uniform coats of protective varnish to be applied. It may not be necessary to apply primer on sound non-porous surfaces. It also allows application onto surfaces which may otherwise be affected by the solvent within Ronabond PGC Varnish (e.g. Ronabond Joltec, Ronabond Zolpacryl, paints).

Varnish

Ronabond PGC Varnish is a non-sacrificial clear gloss varnish, non-yellowing, two pack solvented polyurethane. It forms a hard durable surface for mechanical and chemical resistance, high resistance to graffiti and dirt retention and a variety of aggressive environments including cleaning solvents.

Ronabond PGC Varnish facilitates the removal of graffiti with special cleaners and prevents the graffiti from entering the substrate and itself. It may be left as the finished surface where a gloss anti-graffiti finish is acceptable or required.

Cleaning Products to Remove Graffiti

Two solvented cleaners are available to remove graffiti. They are designed to remove graffiti from the anti-graffiti systems and allow selective cleaning of areas without affecting the substrate.

Ronabond PGC Liquid Cleaner

Ronabond PGC Liquid Cleaner is a liquid solvent cleaner applied by cloth, brush or hand spray. Surfaces should be washed with water (hot if possible) after cleaning.

Ronabond PGC Gel Cleaner

Ronabond PGC Gel Cleaner is a gellified cleaner for easy cleaning of vertical surfaces. Its formulation allows it to hold on to the surface improving its efficiency. Application is by brush or sponge. Surfaces should be washed with water (hot if possible) after cleaning.

INSTRUCTIONS FOR USE

Surface Preparation

Surfaces must be sound and clean. Remove all marks, graffiti, release aids, efflorescence, residual dust and all dirt. New concrete, render, etc must be allowed 28 days curing before treatment. Prepare old surfaces by pressure washing, alkaline wash, brushing, mechanical abrading. Remove all snots, limbs, projections and blowholes. Remove surface bacterial growth with Ronabond Fongimousse Plus.

If resurfacing is necessary use a suitable modified mortar eg. Ronafix, Ronabond Concrete Repair Mortar, Ronabond HB40 allowing a drying time of one week before treatment. Ensure previous paints and coatings are dry before application of anti-graffiti protection.

Priming

Ronabond PGC Primer is not necessary on non-porous surfaces like rigid plastics, aluminium, tiles, metals or epoxy or polyurethane paints. It must be applied to concrete, render, fairing or levelling coats, certain types of plaster (polymetazate) and on all porous mineral surfaces, and on paints and coatings susceptible to solvent attack.

APPLICATION OF THE SYSTEM

No of Coats

One coat possibly of Primer followed after 24 hours drying by one coat of Varnish.

Dampen very porous surfaces with clean water before applying Primer. The Primer must be well agitated before use.

Thoroughly mix the two components of the Varnish immediately before use. Mix proportions are 3 parts A to 1 part B.

Application

Short haired rollers, large brushes, spray gun. Apply uniformly and evenly ensuring regular and complete coverage of each coat.

Dilution

Primer; add between 20% to 30% clean water according to porosity and atmospheric conditions. Varnish is supplied ready for use; do not dilute.

Part mixing

If part mixing Varnish ensure mixing proportions are maintained. Immediately close and seal container. Quickly use mixed materials. Protect surface from direct rain for 24 hours after application.

Drying

Do not apply Varnish when mist or fog is anticipated within 2 hours of completion or if a rapid change in conditions is expected, eg rain.

Precautions

Conditions of application. Dampen very porous surfaces before applying Primer. Ensure dry for all other products. Ambient and surface temperatures between 8°C and 35°C and RH less than 75%.

Cleaning

Primer; wash tools and equipment with water immediately with use. Varnish; wash tools and equipment with cellulose thinners.

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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Facades

When applying on to facades the complete system must stop 300mm from the ground to allow for capillary action of ground water to escape. Do not take system above a height of 2.5m without a break. Ensure previous paints and coatings are dry before application of anti-graffiti protection.

Coverage

Typical coverage rates for materials are:

Primer	6-8m ² per litre
Varnish	10-12m ² per litre (parts A and B mixed)

Note that coverage rates will vary according to substrate type, porosity and method of application. The recommended coverage rates must be observed.

When applying the Anti-Graffiti system on to Ronabond Joltec or similar coatings it is essential to ensure a continuous film of Primer to prevent the Varnish softening and attacking the underlying coating.

Removal of Graffiti

This should be done as soon as possible after graffiti has been observed. Apply cleaning agents Ronabond PGC Liquid Cleaner or Ronabond PGC Gel Cleaner generously over the graffiti, and leave on surface for 5 minutes (approx) to become effective.

Rinse using clean water and brushes, sponges or pressure washing (not if friable) depending on the structure, substrate and nature of graffiti. Repeat this operation if necessary after the complete drying of surfaces. Reapply a new coat of Varnish as and when required.

NB: On delicate surfaces (paints, plastics) check by testing to ensure effect on the surfaces. Certain types of graffiti may be remove with alkaline detergent washing.

Colours

Supplied clear only.

Packaging

Ronabond PGC Primer	16 litre
Ronabond PGC Varnish part A	12 litre
Ronabond PGC Varnish part B	4 litre
Ronabond PGC Liquid Cleaner	5 litre
Ronabond PGC Gel Cleaner	5 litre

Storage

6 months in original unopened packs. Seal well for use. Store in cool dry and ventilated conditions. Ronabond PGC Primer must be protected from frost.

Health and Safety

Primer is a water based product - non-inflammable and normal precautions as for water based paints. Varnish and Cleaners are inflammable products.