

Rugasol®-G

Concrete surface retarder

Product Description

Rugasol®-G is an economical surface retarder for concrete or mortar which is to be overlaid or abutted with a plaster, epoxy screed or another layer of concrete.

After the concrete or mortar has cured, its surface is washed off and the aggregates will be exposed. This eliminates the need for sand blasting or scabbling.

It is also used to achieve a decorative exposed aggregate finish.

Uses

- Construction joint stopends
- Decorative finish for floor slabs, driveways, patios, swimming pool decks, footpaths, etc.

Characteristics / Advantages

- Easy application by brush or spray
- One time application only
- Expensive scabbling is eliminated
- Labour cost is reduced
- Good mechanical key is provided
- Consistent architectural decorative finish is achieved

Product Data

Form

Appearance / Colour Light yellowish gel

Packaging 20 litre pails and 200 litre drums

Storage

Storage Conditions / Shelf Life 2 years from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C

Technical Data

Specific Gravity 1.08

Depth of Etch 3 – 5 mm



System Information

Application Instructions

Application on to Fresh Concrete

Placing of Concrete

The concrete is placed and compacted in the normal manner. It is then trowelled or floated.

Application

Thoroughly mix Rugasol®-G with water (mix ratio – Rugasol®-G : Water = 1 : 2). The solution obtained is stable.

Immediately after the bleed water has disappeared from the concrete and before setting has started, spray diluted Rugasol®-G directly on the concrete surface with a minimum pressure of 3 bars. It is essential that a uniform rate of coverage be achieved.

Note: Diluted Rugasol®-G should never be applied to the formwork.

Removal

After initial cure of the concrete has taken place (up to 24 hours in warm weather) the soft cement laitance on the surface can be washed, brushed or water-jetted away to reveal the exposed aggregate.

Note: The depth of exposure can vary depending on the cement content of the concrete, ambient temperature, the amount of Rugasol®-G and the time it is left on the concrete surface before removal. However, an etch depth of 4 mm is normal. Preliminary trials are recommended.

Application on to Formwork Surface

Mixing

Rugasol®-G is supplied ready-to-use for this application and should not be diluted.

Application

Formwork should be clean and free from any form release agent. Rugasol®-G shall be applied with a brush.

A thorough and uniform rate of coverage is required to achieve a uniform and even depth of etch.

Rugasol®-G should be protected from direct sunlight after application. It is necessary that the layer of Rugasol®-G dry completely before concreting takes place. While drying, Rugasol®-G shall be protected from water and rain.

Removal

For optimum results, forms or moulds should be removed as soon as possible after the concrete has gained sufficient strength; normally 24 to 48 hours in warm weather.

Wash, brush or water-jet the surface to reveal the exposed aggregate.

Some of the soft cement paste will adhere to the forms when the mould is stripped. This can be removed easily from both the formwork and the concrete while still soft by washing and brushing.

Always clean moulds immediately after stripping as the soft cement paste will soon harden.

Cleaning of Tools

Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be mechanically removed.

Value Base

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet (available on request) containing physical, ecological, toxicological and other safety-related data

Legal Notes

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