

CONGUARD RFG

High build elastomeric acrylic coating & roofing membrane

DESCRIPTION

CONGUARD RFG is a single component, high performance acrylic co-polymer-based coating, designed to offer excellent long-term waterproofing characteristics and resistance to UV degradation. Whilst remaining flexible to give excellent crack bridging ability. **CONGUARD RFG** is an easy to apply, cost effective waterproofing option, applied at a nominal thickness of 1-1.5 mm and is available white and other colors upon request.

USAGES

- On wide range substrates such as steel, aluminum, timber, concrete, asbestos, and masonry
- Internal & external applications, such as old or new roofs, walls, and gutter
- Applied on thermal insulation foam
- Can be applied on screed and interlock

ADVANTAGES

- Weather resistant, suitable for external application where exposed to UV light
- Flexible, high elongation will be able to accommodate any roof or substrate movement
- Easy to apply on the surface substrate by brush, roller or spray application
- Waterproofing
- Self priming
- Good adhesion strength for most of roof substrates
- Mainly comes in white or other sun reflective colors
- Good elastic properties
- Can be applied over hair cracks without any problems

TECHNICAL DATA

CONGUARD RFG

Typical values

Appearance	Solar reflective Thixotropic liquid
Colors available	Upon request
Mixed Density @25°C (ASTM D1475)	1.25 kg/cm³
Solid Content	65%
Drying Time	50 ± 3 hours
Tensile Strength (ASTM D412)	1 N/mm²
Application Temp.	5°C – 45°C
Service Temp.	-5°C - 80°C
Elongation (ASTM D412)	≥ 300%
Recommended #coats	2 coats 500µ each

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Coverage

CONGUARD RFG	1.9 kg/m² @1mm DFT
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USAGE INSTRUCTIONS

1. Surface preparation

For Concrete

Concrete surfaces particularly if new; should be fully cured with a maximum residual relative humidity (RH) of 75%., clean and free from contamination such as dust, oil, grease, organic growth, release agents and curing compounds.

For Metal

Mechanically prepare steel surfaces to remove rust or other loose materials to provide a mechanical key.

2. Priming

For Concrete

Priming is not normally required, however, if the substrate is old or particularly porous, we recommend priming with diluted **CONGUARD RFG** by drinking water up to 25%.

Thoroughly stir both the **CONGUARD RFG** and water together for at least 2-3 minutes until a homogeneous color & consistency is achieved.

Apply the diluted **CONGUARD RFG** using a brush or roller to the prepared concrete surface to give an even, continuous and unbroken coating at the theoretical coverage rate of 4-6 m²/liter.

For Metal

No priming is required for this product onto metal substrates.

3. Mixing

Stir the material thoroughly to mix any solid materials that may have settled at the bottom of the packaging, until a homogeneous consistency is achieved.

4. Application

Minimum of 2 coats of **CONGUARD RFG** are recommended.

Apply first coat using brush or roller in a continuous uniform coating, to cover theoretically one liter per m² to give an approximation DFT of 500 microns.

Apply the second coat in the similar manner of first coat by at right angel application, allowing at least 24 hours drying between each coat.

Expansion joints must be sealed preferably with a sealant from **ENESEAL** range and can be coated with **CONGUARD RFG** after the sealant has fully cured.

5. Curing

Allow **CONGUARD RFG** to cure fully for 2-3 days depending on local conditions before exposing to full environmental conditions.

6. Cleaning

Clean all tools and application equipment with a suitable thinner immediately after use. Hardener or cured material can be only removed mechanically.

HEALTH & SAFETY

Before applying **CONGUARD RFG**, all safety protections should be worn during application, such as safety goggles and rubber gloves to avoid any harmful accidents.

If **CONGUARD RFG** is splashed to skin, it must be washed off by water and soap at once, and if to the eyes seek medical attention immediately.

STORAGE & SHELF LIFE

Keep **CONGUARD RFG** dry and in shaded place of a temperature range 10°C - 35°C, shelf life of the material is 12-months.

PACKAGING

CONGUARD RFG is supplied in 20 kg pail.

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:
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