

RL20 HYDROCOAT GREY

V.1.2023

PRODUCT DESCRIPTION

RL20 Hydrocoat Grey is a two-part water-based epoxy waterproofing membrane for concrete, masonry, fibrocement and other cementitious surfaces.

RECOMMENDED APPLICATIONS

- Waterproofs wet or damp concrete slabs prior to the installation of timber, carpet or vinyl floorcoverings.
- As a water retaining curing aid (membrane) for concrete suitable for further finishing with decorative or industrial coatings.
- As a water-impermeable coating to protect against dampness and seepage.
- Highly durable and UV resistant

CORRECT APPLICATION RATES

In order to achieve the required waterproofing effectiveness; RL20 Hydrocoat Grey must be applied at the correct coverage rates.

On a sound smooth surface; a final dry film thickness of 200 - 250 μ (microns) is considered sufficient. This equates to a coverage rate of mixed product of between 1.6 to 2.0m²/litre total, for a two coat application. Typically; the first coat will have a lower coverage rate than second or subsequent coats, due to absorption, and the roughness of the surface.

Typical application rates would be:

1st coat 3.0m²/litre (approx 140 μ dry)

2nd coat 5.0m²/litre (approx 85 μ dry)

PERFORMANCE DATA

May be applied to dry or damp surfaces.

Resistant to oil, petrol, common soils, stains and detergent cleaners.

Suitable for interior/exterior applications.

Highly durable and UV resistant.

Resists hydrostatic pressure up to 276 KPA (40 psi)

SUBSTRATE PREPARATION

To maximize adhesion it is important that application is to sound clean concrete.

Laitence should be removed by acid etching or sweep blasting. Acid etched concrete should be neutralized with dilute ammonia and then thoroughly rinsed with water to remove all water soluble salts which will impair adhesion of the coating.

Severe contamination with oil or grease should be removed by steam cleaning or mechanical grinding.

IMPORTANT NOTES

- **Cracks and Floor joints will not be sealed by RL20 Hydrocoat Grey.** These will need to be filled with a suitable proprietary filler (epoxy, or 2-part modified urethane) prior to application.
- If using solvent based adhesives/products over RL20 Hydrocoat Grey; allow at least 72 hours to cure prior.

MIXING

RL20 Hydrocoat Grey may be mixed in equal parts by either weight or volume.

Add the hardener to the base and thoroughly stir by means of a hand-held mechanical mixer for a minimum of two minutes.

It is advisable to allow the mixed composition to mature 5 - 10 minutes before using.

Where it is intended to use part units; the resin and hardener base should be stirred separately before removing smaller quantities.

APPLICATION

RL20 Hydrocoat Grey may be applied by brush, roller, air assisted or airless spray. An addition of 10% water will assist spraying and penetration of the first coat. If using spray application; the product must be rolled after applying to ensure complete even coverage.

Application should be completed before expiry of working life which is indicated by a marked increase in viscosity.

Apply one coat for dust sealing or priming, two undiluted coats for waterproofing, two to three coats for wear and soil resistant industrial flooring.

RL20 Hydrocoat Grey has been formulated to show optimum curing and application characteristics in the temperature range between 15°C and 25°C. It is advisable to use RL20 Hydrocoat Grey within this range as at lower temperature the rate of cure will slow down and at higher temperature the working life of the mixed product may be drastically shortened.

Over coating may proceed when the touch-dry stage is reached.

Cured at room temperature, RL20 Hydrocoat Grey will be ready to accept foot traffic next day. For heavy traffic, eg; forklifts, it is advisable to wait a few days.

TECHNICAL DATA

Resin Base:

Appearance:	Grey liquid
Chemical base:	Epoxy resin
Solids:	67%
Viscosity:	100,000cps
Specific gravity:	1.50

Hardener:

Appearance:	White liquid
Chemical base:	Polyamine adduct
Solids:	59%
Viscosity:	10,000cps
Specific gravity:	1.46
Mixing ratio:	Equal parts, weight or volume
Pot Life:	1 hour approx.
Surface appearance:	Matt
Touch dry:	6 hours
Hard cure:	Overnight 20°C
Complete cure:	28 days, 20°C
Minimum curing temperature:	8°C
Permeance:	0.37 x 10 ⁻⁸ gPa.s.m ²
ASTM E96094:	Sect 12 (Water Method)
Potability:	Conforms to AS/NZS4020-1999

CLEAN UP

Clean all tools and equipment immediately with warm soapy water.

PACKAGING

20L Kit: 10L Part A + 10L Part B

8LKit: 4L Part A + 4L Part B

SAFETY AND HANDLING

Refer to MSDS, available upon request.

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Users assume all risks and liability resulting from the use of this product and must confirm the suitability thereof by their own tests.

Technical information contained herein is based on tests we believe to be reliable but the accuracy thereof is not guaranteed.

Conditions of Sale contain a limited warranty against manufacturing defects.