PRODUCT DATA

Moisture Barrier 20G

Primers and Sealers

RL 20G is a grey two-part water-based epoxy sealer for concrete, masonry, fibrocement and other cementitious surfaces. RL 20G may be mixed in equal parts by either weight or volume.

Recommended Applications

- As a sealer for concrete, masonry, bricks fibrocement and other cementitious surfaces.
- 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.
- As a binder and reinforce for dusty and eroded concrete surfaces.

Technical Data

Resin	Base
Appearance	Grey liquid
Chemical Base	Epoxy resin
Solids	67% approx
Viscosity	100,000 cps approx
Specific Gravity	1.50 approx
Hardener Appearance	White liquid
Mixing Ratio	Equal parts, weight or volume
Pot Life	1 hour
Surface Appearance	Matt
Touch Dry	6 hours
Hard Cure	Overnight 20°C
Complete Cure	28 days, 20°C
Minimum curing temp	5°C
Permeance	0.37 x 10-8g Pa.s.m2 ASTM E96-94: Sect 12 (Water Method)
Potability	Conforms to AS/NZS 4020-1999

Recommended Coverage

Dependent on surface porosity and expected service conditions.

Recommended total coverage

3m2/litre per coat which gives an approximate dry film thickness of 150µ per coat.

Performance Data

May be applied to dry or moist surfaces. Good adhesion to all common building substrates. Tolerant of poorly prepared surfaces. Resistant to oil, petrol, common soils, stains and detergent cleaners. Suitable for indoor and outdoor applications. Compatible with cementitious compounds.

Application

Where it is intended to use RL 20G as a water retaining aid to assist the curing of concrete under optimum conditions it may be applied to new concrete as soon as the latter has hardened. Otherwise the general recommendations for the preparation of concrete surfaces for overcoating should be adhered to.

RL 20G is usually reasonably tolerant with regard to surface preparation. Nevertheless to maximise 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 neutralised with dilute ammonia and then thoroughly rinsed with water to remove all water soluble salts which impair adhesion of the coating. Old concrete should be thoroughly cleaned with detergent cleaners. Severe contamination with oil and grease should be removed by steam cleaning. If penetration of the pores has occurred, mechanical cutting back to clean concrete may be required.

Add the hardener to the base and thoroughly stir it in by hand or by means of a hand-held mechanical mixer until all of the hardener is completely absorbed into the base.

It is advisable to allow the mixed composition to mature 5-15 mins before application. Where it is intended to use part units the resin base should be thoroughly stirred before removing smaller quantities. RL 20G may be applied by brush, roller, air assisted or airless spray. Application should be completed before expiry of working life which is indicated by a marked increase in viscosity.

RL 20G may be applied as supplied to produce a wear resistant matt coating. However addition of 10% water will assist spraying and penetration.

Apply one coat for dust sealing, two coats for waterproofing, two to three coats for wear and soil resistant industrial flooring. For cement modifications still larger amounts of water may be added. It may be further overcoated when the touch-dry stage is reached.

Cured at room temperature RL 20G will be ready to accept foot traffic next day. For heavy traffic, as for instance fork lifts trucks, it is advisable to wait a few days.

RL 20G has been formulated to show optimum curing and application characteristics in the temperature range from 15-25°C. At lower temperature the rate of cure will slow down considerably and at higher temperatures the working life of the mixed composition may become too short for manual application.

As with all water-based coatings it is inadvisable to use RL 20G under conditions of low temperature and high humidity.

Clean Up

Clean up of brushes, roller sleeves and spraying equipment is by means of soapy water.

Packaging

20 ltr unit: 10ltr base in 10ltr can
10ltr hardener in 10ltr can
8 ltr unit: 4ltr base in 4ltr can
4ltr hardener in 4ltr can

Hazard and First Aid: Refer to Material Safety Data Sheet.
Safety & Handling: Refer to Material Safety Data Sheet

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