



PRODUCT
DATA

GREEN SOLUTIONS GS820 Moisture Sealing Compound

BENEFITS

- ✓ Installer Friendly
- ✓ Creating A Safer Work Environment
- ✓ Beneficial To Building Occupant
- ✓ Building Green Credits
- ✓ A Good Environmental Choice

RLA POLYMERS GREEN SOLUTION HIGH PERFORMANCE COMMERCIAL PRODUCTS are helping you to have a safer work place. During the installation period and for some further time, they will help improve the occupied work space air quality by reducing green house gas, solvent, organic and other volatile emissions.

GS820 is a grey two-part water-based epoxy sealer for concrete, masonry, fibrocement and other cementitious surfaces. GS820 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.

RECOMMENDED COVERAGE

Dependent on surface porosity and expected service conditions.

RECOMMENDED TOTAL COVERAGE

5m²/litre per coat which gives a minimum dry film thickness of 200µ.

FEATURES

- ✓ Green Star Compliant
- ✓ Solvent Free
- ✓ Very Low VOC Emission
- ✓ Anti-microbial Formulation
- ✓ Very Low Odour

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	2 hours
Hard Cure	24 hours, 20°C
Complete Cure	7 days, 20°C
Minimum curing temp	5°C
Permeance	0.37 x 10 ⁻⁸ g Pa.s.m ² ASTM E96-94: Sect 12 (Desiccant Method)
Potability	Conforms to AS/NZS 4020-1999

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.



The application, use and processing of our products is the responsibility of the user. Any technical or other advice, information or data provided by us, whether verbally, in writing or by way of trials or tests, is given without guarantee or warranty. Refer to Material Safety Data Sheets for information on Storage & Handling, Health and Safety, and Transport.

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SOLUTIONS FOR INDUSTRY

APPLICATION

Where it is intended to use **GS820** 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.

GS820 is usually reasonably tolerant with regard to surface preparation. Nevertheless to maximise adhesion it is important that application is to sound clean concrete.

Laitance 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. **GS820** 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.

GS820 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 **GS820** will be ready to accept foot traffic next day. For heavy traffic, for instance fork lift trucks, it is advisable to wait a few days.

GS820 has been formulated to show optimum curing and application characteristics in the temperature range from 15-25°C. At lower temperatures 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 **GS820** 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:	10 ltr base in 10 ltr can
	10 ltr hardener in 10 ltr can
8 ltr unit:	4 ltr base in 4 ltr can
	4 ltr hardener in 4 ltr can

HAZARD & FIRST AID

Refer to Material Safety Data Sheet.

SAFETY & HANDLING

Refer to Material Safety Data Sheet

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