GALAXIE SLV (Formerly Injection Resin LV)

Super Low Viscosity Injection Resin

Description

Galaxie Injection Resin SLV is a low modulus, extra low viscosity, epoxy adhesive designed to be injected into cracks which exhibit minor movement or are subject to shock or vibration. Its low viscosity allows maximum penetration into small, hairline cracks or fractures. Galaxie Injection Resin SLV is insensitive to moisture, allowing for injection into damp cracks. After injection and in its cured state, Galaxie Injection Resin SLV returns structural integrity and protects reinforcement while at the same time compensating for movement and vibration.

Galaxie Injection Resin SLV is supplied in two grades for all temperature uses - Standard Grade and Tropical Grade (TG).

Benefits

- Meets Vic Roads Spec Section 687- Repair of Concrete Cracks
- Exceptionally good penetration
- Excellent adhesion
- Moisture insensitive
- Non-shrink

General Application

- Injection of cracked concrete
- Epoxy binder for Pebbles
- Epoxy coating
- Cracked concrete slabs
- Delaminated grout beds
- Bearing pads
- Water reservoirs
- Bridge decks
- Re-bonding tiles / floor screeds

Application Guidelines

As with any epoxy resin system, mixing of the resin is critical.
Both parts A and B should be shaken or stirred prior to decanting the resins, then should be mixed properly at the correct mix ratio for 2 minutes using a slow speed mixer.
Please note set times are based on 200gm (small quantity mixing) and larger batches will reduce the pot life accordingly.

Concrete surfaces or cracked sidewalls to which this product is to be applied should be cleaned by clean air or potable water. This will ensure a superior bond after the resin has cured. Galaxie SLV is moisture insensitive and will bond to damp surfaces although dry conditions are desirable.

For more detailed application details please contact Galaxie Chemicals or your local representative.

All equipment and tools are to be cleaned using Galaxie Epoxy Cleaner.

Technical Data

Galaxie SLV		
	Standard Grade	Tropical Grade (TG)
Colour	Amber	Amber
Density	1.05	1.05
Mix ratio	2:1 by volume	2:1 by volume
Recommended minimum curing temperature	5°C	15°C
Final Cure	7 days	28 days
Viscosity	80 - 120 mPa·s	80 - 120 mPa·s
Maximum Compressive Strength (BS6319)	> 80 MPa	-
Tensile strength	> 10.5 MPa	-
Flexural strength	> 29 MPa	-
Bond Strength	4.1 MPa	-
Pull Off Test BS1881:207	1.8 MPa	-
Gel time (200 g mass)	20 - 30 minutes	90 minutes
All technical data stated herein is based on tests carried out under laboratory conditions at 25°C		

Packaging

Galaxie SLV is supplied in 7.5 kg and 30 kg packs. Packaging size may vary subject to local regulations and requirements.

Storage

Galaxie SLV should be stored at room temperature (min 10°C and max 35°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 1 year can be expected.
Note If subjected to cold temperatures the part A resin may crystallise and need heating to 45.C for 20 minutes and be shaken for two minutes to be useable again.

Health & Safety

Galaxie SLV should only be used as directed. We always recommend that the Safety Data Sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. Please contact Galaxie chemicals or your local representative for the current SDS.

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