

Description

Galaxie LV is a high modulus, low viscosity, epoxy resin designed for injection into non-moving cracks in concrete structures. It's low viscosity will allow maximum penetration into small cracks. Galaxie LV exhibits extremely high strength in its cured state, thereby restoring structural integrity. It is moisture tolerant, allowing for injection into damp cracks.

Benefits

- Excellent adhesion
- Moisture insensitive
- Non-shrink
- Pumpable
- Aggregate extendable

General Application

- Pre-cast members
- Injection of cracks in dry or damp concrete
- Columns and beams
- Bolt grouting
- Joint reinstatement
- Concrete repair mortars

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 LV is moisture insensitive and will bond to damp surfaces although dry conditions are desirable.

Galaxie LV may be used as a binder for epoxy mortars. We would recommend that a mix ratio of 4 parts (by weight) of fine clean sand is mixed with 1 part (by weight) of Galaxie LV to form a trowellable site mixed epoxy mortar.

Galaxie LV may also be used as a binder for epoxy pebbles to give the "golden look" or "wet look". We recommend that 10 parts (by weight) of clean dry pebbles are mixed with 1 part (by weight) of Galaxie LV and placed with a steel trowel.

Note: It is recommended that the material is conditioned to appropriate temperatures for at least 12 hours prior to application.

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

Technical Data

Galaxie LV	
Density EN ISO 2811	1.05 - 1.15
Viscosity EN ISO 3219	300 - 500 mPa·s
Mix ratio	2:1 by Volume
Final cure	7 days
Minimum use temperature	15°C
Pot life and gel time (200g) ISO 9514	Pot life 60 min Gel time 90 min
Compressive strength BS6319:2	> 70 MPa
Flexural strength BS6319:3	> 80 MPa
Tensile strength BS6319:7	44 MPa
Maximum exotherm	< 60°C
All technical data stated herein is based on tests carried out under laboratory conditions at 25°C	

Packaging

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

Storage

Galaxie LV 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 LV 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 or your local representative for the current SDS.

