



**AERO**<sup>TM</sup>  
CONCHEM LLP

AN ISO 9001 : 2008 CERTIFIED COMPANY

## AEROGROUT LV

A two pack low viscosity epoxy resin based injection grouting material

### Description

AEROGROUT LV is a two part, solvent-free low viscosity Epoxy resin designed for injecting in to cracks in concrete brickwork and masonry. This allows the ready consolidation of structures and prevents water and salt ingress thereby obviating freeze-thaw damage and rebar corrosion. AEROGROUT LV epoxy resin system for gaps ranging from 0.3 mm to 10 mm.

### Uses

AEROGROUT LV is the most ideal product for repairs and rehabilitation of structures showing hair line cracks. It is used to fill up cracks in roof slabs and other areas to make them structurally sound.

Applications include grouting of :

- Cold joints between subsequent pours of concrete.
- Stabilised cracks in structural elements.
- Porous and honeycombed concrete
- Bearing supports with prepacked aggregate.

### Advantages

- Moisture insensitive
- Low creep characteristics
- High compressive, tensile and flexural strengths
- Fast, convenient pumping
- Withstands a wide range of chemicals
- Excellent bond strength to concrete brickwork and masonry.
- Suitable for damp and dry surfaces
- Low-viscosity highly penetrating.
- Chemical resistant.

### Instruction for use

#### Surface Preparation

AEROGROUT LV may be applied onto damp concrete surfaces with minimal surface preparation. For best results however the surface laitance should be removed and the concrete abraded then vacuumed prior to application.

#### Application Instructions

Prepare the surface and seal the cracks with a sealing compound which can also be used for bonding injection nipples. Depending on the crack width and depth the distance between nipples should be 200 to 500 mm.

### Typical Properties & Specifications:

The following results are typical for the cured grout at 30 °C  
Test method Typical result

Sr.No	Properties	Specification
1	Mixed density (Gm/cc)	1.06
2	Compressive strength 3 days	Approx. 30 N/mm <sup>2</sup>
3	ASTM D695 7 days	Approx. 65 N/mm <sup>2</sup>
4	Tensile strength 7 days	approx. 15 N/mm <sup>2</sup>
5	Flexural strength 7 days	approx. 30 N/mm <sup>2</sup>
6	Pot Life at 30 °C	45 mins.

### Mixing and Placing

Pour all the contents of the hardener pack into the base container. Mix using a slow speed power mixer for 2-3 minutes. Use a suitable pressure pump for injecting the material into cracks. The low Viscous Epoxy injection system is to be injected well before the pot life. After 24 hours remove the nipples and seal the holes or voids with more sealing the compound and allow curing.

### Tools Cleaning

Tools and equipment can be easily cleaned with a TECH TOOL CLEANER.

### Packing & Coverage

AEROGROUT LV is supplied in 1 kg. & 5 kg. steel container. The coverage of AEROGROUT LV is very much dependent on the depth and extent of cracks within the substrate. Approx 1.06 kg of material is required for filling up of 1000cc (depending on the porosity of the substrate.)



ENGINEERING GROUTS  
& ANCHORS



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### Shelf Life & Storage

AEROGROUT LV has a shelf life of 12 months from date of manufacture when kept at a temperature between 5 °C to 45 °C and store in the original, unopened bags. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

### Quality Assurance

AERO CONCHEM LLP. is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2008 certified.

### Health & Safety

AEROGROUT LV is a resin based product. Resins and solvents may cause allergic reactions in some people. Wear gloves, use barrier cream on unprotected skin areas and wear eye protection when mixing, using and cleaning. Ensure adequate ventilation to prevent inhalation of vapours. If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water. Do not use Solvent. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. If swallowed do not induce vomiting. Seek medical advice immediately. Full health and safety data are given in Product Safety Data Sheet.

### OUR RANGE OF PRODUCTS



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