

# A TECH PLUS

Waterproofing Solutions

## EPOFLOOR 100LV

### Extra Low Viscosity Injection Resin

#### General Description

EPOFLOOR 100LV is a low modulus, extra low viscosity, epoxy designed for crack injection, which will exhibit minor movement or be subject to shock or vibration. Its extra low viscosity will allow maximum penetration into small, hairline cracks or fractures. EPOFLOOR 100LV is moisture insensitive allowing for injection into damp cracks.

After injection and in its cured state, EPOFLOOR 100LV returns structural integrity and protects reinforcement while at the same time compensating for movement and vibration.

#### Typical Applications

- Cracks in Concrete
- Slab cracks
- Delaminated grout beds
- Bearing pads
- Bridge decks
- Water containment

#### Characteristics

- Fast cure
- Exceptionally good penetration
- Excellent adhesion
- Moisture insensitive
- Non-shrink
- Potable water (WRc) approved

#### Application Guidelines

As with any Epoxy Resin system, surface preparation is critical. Concrete surfaces or crack sidewalls to which this product is to be applied should be cleared by air or water. This will ensure a superior bond.

Repairs are carried out using a suitable resin injection system or a suitable 2:1 ratio pump.

When injecting as a single component, mixing should always take place at the proper ratio using a drill with a mixing attachment. Mix material for no less than two minutes. Longer mixing times may be required in cooler weather.

**Note:** It is recommended that the material is conditioned to appropriate temperatures for at least 24 hours.



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#### Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by ATECH either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not ATECH are responsible for carrying out procedures appropriate to a specific application.

#### Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at time of print. As the information herein is of a general nature, no assumption can be made as to the products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

#### Technical Data – EPOFLOOR 100LV

Resin (Part A)	
Colour	Clear
Density	1.09 kg/litre
Hardener (Part B)	
Colour	Clear
Density	0.96 kg/litre
Mix Ratio	2:1 by volume
Pot Life (85 g)	25 minutes
Gel time (0.1mm)	10-12 hours
Final cure	3 days
Viscosity	80-100 cps
Hardness (Shore)	70 D
Elongation at break	34%
Tensile strength, 7 days	29 N/mm <sup>2</sup>
Compressive strength	
7 days (deformed only)	42 N/mm <sup>2</sup>
28 days (deformed only)	47 N/mm <sup>2</sup>
Bond strength (concrete-concrete failure)	4.1 N/mm <sup>2</sup>
Ultimate compressive strength	>100N/mm <sup>2</sup>
All at 25°C	

#### Cleaning Equipment

For cleaning tools and equipment, we recommend the use of TamRez Cleaner. Thoroughly clean equipment immediately after use.

#### Packaging

EPOFLOOR 100LV is supplied in a 7.50 kg pack. Also available in 450ml Quick Mix Cartridges.

#### Storage

EPOFLOOR 100LV must be stored above 10°C and below 35°C in dry conditions. Shelf life up to 12 months if stored in original unopened packaging.

#### Health and Safety

Always read the Health and Safety Data Sheets before use. Avoid skin and eye contact. Avoid inhalation of vapours. Wear safety glasses, gloves and overalls.

#### Safety Precautions

These products may cause allergic reactions through skin contact, goggles, protective gloves and overalls must be worn. Ensure that there is adequate ventilation and avoid breathing the vapour.

#### Exclusion Clause

1. The information contained in this data sheet is based on many years experience and is correct to the best of our knowledge. ATECH will be under no liability whatsoever whether in:
  - a) Contract or tort (including, without limitation, negligence)
  - b) Breach of statute
  - c) Any other legal or equitable obligation other than the quality of the product at the time of despatch.
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3. This exclusion clause does not operate to exclude any warranty that by law may not be excluded.