

Lambert® LamRez 852

Epoxy Binder & Injection Resin

Description

LamRez 852 is a high modulus, low viscosity epoxy designed for injection into non-moving cracks in concrete structures. Its medium to low viscosity will allow maximum penetration into small cracks. LamRez 852 exhibits extremely high strength in its cured state, thereby restoring structural integrity. It is moisture insensitive, allowing for injection into damp cracks.

Typical Applications

- Precast members
- Columns and beams
- Bolt grouting
- Joint reinstatement
- Concrete repair mortars
- Delaminated grout beds
- Resin binder in flooring screeds
- Rebonding floor slabs and tiles
- Repair of cracks subject to movement
- Tree holes grouting

Characteristics

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

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 such as the Lambert LPI System or a suitable 2:1 ratio pump.

Note

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

For further information on mixing and application techniques, please contact our Sales Office.

Cleaning of Equipment

All equipment and tools are to be cleaned using LamRez Cleaner.

Packaging

LamRez 852 is supplied in 7.5kg packs.

Storage

LamRez 852 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.

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Technical Data

All at 25°C			
	Resin (A)	Hardener (B)	Mixture
Colour	Clear	Clear/Amber	Amber
Density	1.14 kg/litre	1.03 kg/litre	1.10 kg/litre
Mix ratio	2:1 by volume		
Pot life (85g)	25 minutes		
Gel time (0.1mm)	6 hours		
Final cure (including 2 hours at 60°C)	2-3 days		
Viscosity	350-600 Cps		
Hardness (Shore)	78 D		
Elongation, 7 days	3.5%		
Tensile strength, 7 days	50 N/mm ²		
Modulus of elasticity, 7 days	1.75 kN/mm ²		
Compressive strength			
7 days	90 N/mm ²		
28 days	93 N/mm ²		
Bond strength (mild steel)	10 N/mm ²		

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product, as no warranty is given or implied in connection with any recommendation or suggestions made by us or our Representatives, Agents or Distributors. The information in this data sheet is effective from the date shown and supersedes all previous. Please check with your local Lambert office to confirm that this is current issue

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