

Lambert® 001 Epoxy Adhesive

Multi-purpose High Bonding Strength Epoxy Putty

Description Lambert 001 is a high modulus, 2-component epoxy adhesive and repair mortar designed for the surface sealing of cracks prior to injection, for bonding marbles slabs, for surface spall repairs and Lambert Joint system. Its paste consistency allows an easy and versatile application.

- Uses**
- ❖ Fixing steel and aluminum panels
 - ❖ Structural bonding of concrete elements
 - ❖ Surface sealing prior to injection
 - ❖ Patching spalls, honeycombing and pop-outs
 - ❖ Setting vertical and horizontal anchor bars
 - ❖ Bonding similar and dissimilar materials to concrete
 - ❖ Adhesive for Lambert Joint System
 - ❖ Tile & Marbles adhesive
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- Advantages**
- ❖ Non shrink
 - ❖ Simple mix ratio ensures uniform mixing
 - ❖ High strength bonding / sealing adhesive
 - ❖ Excellent adhesion to most structural materials, i.e. concrete, steel, aluminum, wood etc
 - ❖ High abrasion, impact and chemical resistance
 - ❖ High mechanical strength
 - ❖ Suitable for both dry and damp surface
 - ❖ Intensive to moisture before, during and after cure
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Application Surface must be clean and sound. Remove dust, laitance, grease, curing compounds, impregnation, waxes, foreign particles, disintegrated materials.

As a structural adhesive:

Apply the mixed adhesive to the surfaces with a trowel, or spatula. Secure the bonded until firmly into place until the adhesion has cured.

As a sealing cracks for injection grouting:

Place the mixed material over the cracks to be pressure injected and around each injection part. Allow the sufficient time to set before pressure injecting.

Mixing

Mixing should always take place at the proper ratio using a drill with a mixing attachment low-speed (400 – 600 rpm) or mix by hand. Mix material for no less than three minutes. Longer mixing times may be required in cooler weather.

Technical Data

Colour	Component A+B : Light Grey
Mix ratio	Comp. A : B = 100 : 50 by volume
Mix density	1.61 g/cm ³ (A+B)
Sag flow	Does not flow (at 35°C to F.I.P)
Young's Modulus	1033.0 N/mm ²
Pot life (100 g mix)	76 minutes (>20 minutes to F.I.P)
Tensile strength	21.0 N/mm ² (ASTM D638)
Tensile shear	30.0 N/mm ² (ASTM D1002)
Tensile bending strength	37.0 N/mm ²
Compressive strength	
24 hours	72.0 N/mm ² (60 N/mm ² to F.I.P)
72 hours	83.0 N/mm ²
Compressive shear strength	Concrete failure approx. 12.0 N/mm ² (to F.I.P)
Hardness (Shore D)	80
Packaging	5 kg set

Notes

The information, and, in particular, the recommendations relating to the application and end use of Lambert products, are given in good faith based on Lambert's knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respects of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

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