

# Flexibilised Epoxy

# PLASTICAST LQB

## TECHNICAL DATA

### 1.0 DESCRIPTION

PLASTICAST LQB is a two-part epoxy compound formulated specifically for use in bitumen and asphaltic surfaces. It is used to encapsulate road traffic light signal cable loops, saw cut joints, cracks and repairs, etc. It is pigmented black. PLASTICAST LQB is internally flexibilised so as to allow differential movement without delamination, stress and cracking.

PLASTICAST LQB has low exotherm qualities. Two litres can be safely mixed with no residual stress.

PLASTICAST LQB has good water and mechanical resistance with exceptional insulating properties. It is unaffected by oil, diesel, petrol, etc.

### 2.0 PROPERTIES

2.1. Shelf Life	1 year (The hardener may require some mixing after prolonged storage)
2.2. Mix Ratio	Equal parts by volume Resin to Hardener to 3 volumes Silica Sand (1:1:3)
2.3. Pot Life	1.5 - 2 hours (Temperature dependent work time)
2.4. Full Cure	1 to 5 days.
2.5. Min. Application Temperature	10°C. Cold Curing formulation available on request
2.6. Colour	Black. Also available clear or grey (LQ & LQG)
2.7. Cured Properties	
2.7.1. Compressive Strength	Not Applicable. Flexible.
2.7.2. Bond Strength	Greater than surrounding asphalt.
2.7.3. Operating Temperature	-10°C - 100°C
2.7.4. Water Absorption	1.4mg / cm <sup>3</sup>
2.7.5. Dielectric Strength @ 50HZ	110KV.cm.

### 3.0 APPLICATION INSTRUCTIONS

3.1. SURFACE PREPARATION. Thoroughly clean the jointing surfaces of all extraneous matter, especially oil and grease. Laitence should be removed from concrete surfaces mechanically or by acid etching. For best results steel surfaces should be prepared by sand blasting or grinding. All surfaces should be dry.



## Fraser Brown & Stratmore Ltd

Address: 185 Rata Street, PO Box 35136 Naenae, Lower Hutt, New Zealand

Telephone: 04 567 8436 Freephone: 0800 835 699 Facsimile: 04 567 7232 Freefax: 0800 FIBRES (342 737)

Website: [www.fbsltd.co.nz](http://www.fbsltd.co.nz)

Email: [info@fbsltd.co.nz](mailto:info@fbsltd.co.nz)

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## TECHNICAL DATA Continued

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- 3.2. MIXING. Thoroughly mix equal volumes of hardener and resin preferably by power drill. Slowly add sand while mixing. Allow to de-aerate for a few minutes and pour into joint. Although dampness in the joint can be tolerated, water must not be allowed to be come entrapped or mixed into the product.  
Mix ratio: 1 litre resin to 1 litre Hardener to 5.6 kg silica sand.
- 3.3. CLEAN UP. Clean up tools, containers and hands with soap and water immediately after use.

## 4.0 PACKAGING

5 Litre & 20 Litre packs with sand.

40 litre pack, no sand.



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