

# 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 Wear protective gloves and eye protection when using this product.
- 3.2 SURFACE PREPARATION. Thoroughly clean the jointing surfaces of all extraneous matter, especially oil and grease. Laitance 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.

# PLASTICAST LQB

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## TECHNICAL DATA Continued

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### 3.0 APPLICATION INSTRUCTIONS (continued)

- 3.3 MIXING. Thoroughly mix equal volumes of hardener and resin preferably by power drill. Slowly add sand while mixing (if used). Allow to de-aerate for a few minutes and pour into joint.
- 3.4 Although dampness in the joint can be tolerated, water must not be allowed to become entrapped or mixed into the product.
- 3.5 Mix ratio: 1 litre resin to 1 litre Hardener (to 5.6 kg silica sand when used).
- 3.6 Mix only the amount of PLASTICAST LQB that can be used within its pot life.
- 3.7 CLEAN UP. Clean up tools, containers and hands with soap and water immediately after use.
- 3.8 Refer to product label for additional information. Refer to safety data sheet for first aid and handling information.

### 4.0 PACKAGING

- 5 Litre & 20 Litre packs with sand.
- 10 & 40 litre packs, no sand.



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