PRODUCT REFERENCE: BP02 BRIDGEJOINT COMPOUND (BJC):

A polymer modified bituminous bridge joint binder, mixed with graded aggregate to form an asphaltic plug joint in asphalt and concrete carriageways in temperate climates.

PERFORMANCE PROPERTIES:

The BJC system can accommodate a movement range of \pm 20mm in a standard APJ installation of 500mm width. The system is resistant to plastic flow at surface temperatures of 50°C and is a registered binder system for use in Asphaltic Plug Joints (APJ).

APPROVALS: Highways Agency Number 029

PHYSICAL PROPERTIES:

Density @ 25°C	1.45 ± 0.05
Flash Point (COC) °C	250°C
Minimum Application Temperature	+ 5°C Product
Pouring Temperature	$160 \pm 10^{\circ}\text{C}$
Maximum Safe Heating Temperature	185°C
Penetration Value @ 25°C	$30 \pm 5 \text{ dmm}$
Flow resistance @ 60°C/5 hrs	\leq 5mm
Softening Point R&B°C	$85 \pm 5^{\circ}\text{C}$
Extension Test @ 3.2mm/per hr	≥ 50% @ 2°C

GRADED AGGREGATE:

The aggregate should be nominally 20mm (18-20-22) and either Basalt or Granite Type as listed in BS 812.

Where the joint depth is expected to be less than 75mm the aggregate should be a 50:50 blend of 20 & 14mm.

Aggregate Properties: PSV 55+ AAV 4 - 6

CHEMICAL RESISTANCE:

Bituminous products soften in contact with petroleum solvent and mineral oils. The product has good resistance to dilute acids and alkalis.

COMPOSITION:

A polymer modified bitumen containing graded extender with adhesion agents.

STORAGE:

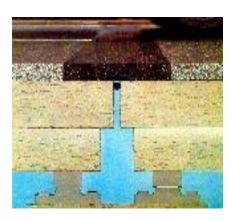
Store in a cool dry place away from direct sunlight.







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ACUTE HEALTH HAZARDS & ADVICE:

Bituminous products present no acute health hazard at ambient temperature. However, as these materials are normally handled at elevated temperatures when their physical state changes to a liquid, the bitumen's present in these products give of fumes which are undesirable to inhale as very small quantities of HYDROGEN SULPHIDE may be present in the bitumen.

RECOMMENDED PROTECTIVE

CLOTHING: High Visibility Jacket, Hard Safety Helmet, Overalls, Goggles/Visor, Armlet

Gloves and Closed Safety Boots at all times when handling hot product.

TRANSPORTATION: Not classified as dangerous for transportation.

SAFE HANDLING PRECAUTIONS:

- * Do not exceed the maximum safe heating temperature.
- * Do not allow the hot material to come into contact with water as the product will react violently.
- * Always wear the recommended protective clothing.

FURTHER INFORMATION: Additional information on the product is given in the system Safety Data Sheet and Installation Method Statement or by contacting the following:

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