

## PRODUCT REFERENCE: BP08 HOT APPLIED JOINT SEALANT N1:

A hot poured, high extension polymer modified joint sealant complying with the requirements of BS EN 14188-1:2004 Type N1. BRAND NAME: ARMOURSEAL N1 JS

### USES:

Sealing and maintenance of joints in concrete and asphalt carriageways and airfield pavements.

### ADVANTAGES:

- \* Conforms to the DOT Specification for Highway Works clauses 1016 and 1017.
- \* Resilient to the ingress of dirt and grit associated with trafficked pavements.
- \* Resistant to plastic flow over a wide range of service temperatures.
- \* Good adhesion to concrete and asphalt surfaces.

### PHYSICAL PROPERTIES:

Physical Form:	Black Plastic Solid
Product Pouring Temperature:	170 ± 5°C Max
Safe Heating Temperature:	185°C Movement
Accommodation Factor:	Butt Joints 25%

### CHEMICAL RESISTANCE:

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

### STORAGE:

Store in a cool dry place preferably under cover and away from direct sunlight.

### PACKAGING:

Silicone boxes or Poly-silicone bags  
15/20Kgs - Net.

### COMPOSITION:

A polymer modified bituminous joint sealing compound with graded extender and adhesion agent.

### PRIMER:

Bitumen or Rubber Resin primer on concrete surfaces. No primer required on asphalt surfaces.

### SPECIFICATION:

Minimum Application Temperature:	+ 3°C
Penetration @ 25°C:	75 ± 10 dmm
Flow Resistance @60°C:	< 2mm Specific
Gravity:	1.15 ± 0.05
Flash Point - COC:	>250°C

### 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 - see below.**

### FIRE & EXPLOSION HAZARDS:

FLAMMABILITY LIMITS:	- Upper	Not applicable
	- Lower	Not applicable
EXTINGUISHING MEDIA:	- Small Fire	Foam/Water Fog
	- Large Fire	Foam/Dry Powder/CO <sup>2</sup> /Sand/Earth

SUPPLY CLASSIFICATION: Not dangerous for supply

**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 bitumens present in these products give off fumes which are undesirable to inhale as very small quantities of **HYDROGEN SULPHIDE** may be present in the bitumen.

**RECOMMENDED  
PROTECTIVE  
CLOTHING:**

Overalls, Goggles/Visor and Closed Safety Boots when handling hot product.

**INHALATION:**

Inhalation of the vapours should be avoided.

**FIRST AID:**

Remove the affected person to fresh air. If breathing has stopped administer artificial respiration. Give cardiac massage if necessary. If the person is breathing but unconscious place in the recovery position. Obtain medical assistance immediately.

**SKIN CONTACT:**

Bituminous products present no acute health hazards to the skin other than burning when handling at elevated temperatures.

**FIRST AID:**

Flush the contaminated skin with cold water. **DO NOT ATTEMPT TO REMOVE THE BITUMEN.** Cover the burn with a sterile dressing. Do not apply any medication to the affected part. Obtain medical attention immediately.

**EYE CONTACT:**

Contact with fumes may cause irritation and redness.

**FIRST AID:**

Irrigate with copious amounts of water-10/20 minutes and seek medical advice immediately.

**PRECAUTIONS:**

Avoid contact with the skin by use of suitable protective clothing.

**TRANSPORTATION:** Not classified as dangerous for transportation.

**FURTHER INFORMATION:** Contact the Sales Office

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