



Armourseal® N1 BP08

Crack & Joint Sealing



MATERIAL DATA SHEET Latest Revision - December 2021

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1. GENERAL DESCRIPTION:

Hot applied polymer modified bituminous joint sealant materials complying with the requirements of EN14188-1:2004 Types N1& N2. The products are suitable for installation into concrete and asphalt joints on Highway and Airfield pavements in temperate climates.

2. PRODUCT:

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.

3. PHYSICAL PROPERTIES:

PHYSICAL FORM:	Black Plastic Solid
PRODUCT POURING TEMPERATURE:	170 ± 10°C Max
SAFE HEATING TEMPERATURE:	185°C
MOVEMENT ACCOMMODATION FACTOR:	Butt Joints 25%

4. SPECIFICATION:

MINIMUM APPLICATION TEMPERATURE:	+ 3°C
PENETRATION VALUE @ 25%:	75 ± 10 dmm
FLOW RESISTANCE @ 60°C:	< 2mm
SPECIFIC GRAVITY::	1.15 ± 0.05
FLASH POINT - COC:	> 250°C

5. 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.

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

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



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

6. 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.

7. FIRE & EXPLOSION HAZARDS:

FLAMMABILITY LIMITS:	Upper -	Not applicable
	Lower -	Not applicable
EXTINGUISHING MEDIA:	Small Fire -	Foam/Water Fog
	Large Fire -	Foam/Dry Powder/CO ² /Sand/Earth
SUPPLY CLASSIFICATION:	Not dangerous for supply	

8. ACUTE HEALTH HAZARDS & ADVICE:

Armourseal presents 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, Armlet Gloves and Closed Safety Boots **AT ALL TIMES** when handling hot product.

INHALATION:

Inhalation of the vapours should be avoided.

INHALATION 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.

Manufactures & Suppliers of:
Joint Sealants
Bituminous Repair Compounds
High Friction Surfacing
Colour Coated Aggregates
The Complete Highway Service

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A member of the Walker Group of Companies



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SKIN CONTACT:

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

SKIN CONTACT 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.

EYE CONTACT FIRST AID:

Irrigate with copious amounts of water for 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:

Additional information on the product is given in the system Safety Data Sheet and Installation Method Statement or by contacting Walker Sealants Ltd.

This data is provided for your information and your attention is drawn to the appropriate package labelling and the product safety data sheet. Users of the product must ensure its proper use in accordance with good industrial practices, proper medical advice and any official or Government notice or publication. This information is provided gratuitously independent of any sale of the product and does not form part of any contract or sale nor does it constitute any representation, warranty or condition of merchantability or fitness for any purpose.
