



Armourband® BP01

Overbanding Crack Repair



MATERIAL DATA SHEET Latest Revision - December 2021

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1. GENERAL DESCRIPTION:

Armourband is a stress absorbing overbanding repair system designed to repair and seal reflective cracking in asphalt and concrete pavements. In service, the system offers high tensile strength without bleeding or deformation under vehicle movements.

2. PRODUCT:

Armourband is a polymer modified bituminous compound containing fibre reinforcement, aggregates and adhesion agents, which resists deformation and has the strength and flexibility to limit the reoccurrence of cracking.

3. PHYSICAL PROPERTIES:

MINIMUM APPLICATION TEMPERATURE:		+5°C
PRODUCT POURING TEMPERATURE:		170 ± 10°C
MAXIMUM SAFE HEATING TEMPERATURE:		190°C
PENETRATION VALUE:	EN13880-3	20 ± 10 dmm
FLOW RESISTANCE:	EN13880-5	< 5mm
SOFTENING POINT:	EN1427	100 ± 15°C
FLASH POINT:	COC °C	> 250°C
SPECIFIC GRAVITY:	EN13880-1	1.5 ± 0.05

4. 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 or Poly-silicone lined sacks - 20/25Kgs Net.

COMPOSITION: A bitumen/resin blend containing -

SBS Polymer, Rubber Chips, Fibre Reinforcement, Aggregate, Extender & Adhesion Agent.

5. 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.



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6. FIRE & EXPLOSION HAZARDS:

FLAMMABILITY LIMITS:

Upper Not applicable
Lower Not applicable

EXTINGUISHING MEDIA:

Small Fire Foam/Water Fog
Large Fire Foam/Dry Powder/CO²/Sand/Earth

SUPPLY CLASSIFICATION:

Not dangerous for supply

7. ACUTE HEALTH HAZARDS & ADVICE:

Armourband 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 and Closed Safety Boots 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.

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.

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

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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.

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.
