



# Armourgrout BP12

## Road Stud Grout



### MATERIAL DATA SHEET

1/3

#### 1. GENERAL DESCRIPTION:

A blend of 70 Pen bitumen and fine limestone conforming to the following DOT specification for road stud fixative.

#### 2. PRODUCT:

**Armourgrout BP12** is a standard grade cats eye adhesive for bonding road studs into concrete and asphalt surfacing. The material should receive constant mechanical agitation during the melting/ application process.

#### 3. PHYSICAL PROPERTIES:

<b>SPECIFIC GRAVITY:</b>	1.85 ± 0.05
<b>PRODUCT POURING TEMPERATURE:</b>	160 / 200°C
<b>SAFE HEATING TEMPERATURE:</b>	230°C
<b>PENETRATION VALUE:</b>	23 ± 5 dmm
<b>SOFTENING POINT:</b>	85 ± 5°C
<b>FLASH POINT - COC:</b>	> 250°C

#### 4. SPECIFICATION:

The binder shall conform to BS3690 Part 1 Grade 70 Pen and shall constitute 25 - 30% of the mixture.

The fine limestone shall be of suitable grade of which a minimum of 80% shall pass a 75um test sieve and shall constitute 70 - 75% of the mixture.

#### 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 blend of penetration grade bitumen and fine limestone.

**PACKAGING:** Multiply silicone lined sacks - 25Kgs Net.

#### 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.**



# Armourgrout BP12

## Road Stud Grout



### MATERIAL DATA SHEET *continued*

2/3

\* **Always wear the recommended protective clothing - see below.**

#### 7. FIRE & EXPLOSION HAZARDS:

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

#### 8. ACUTE HEALTH HAZARDS & ADVICE:

**Armourgrout** 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.

#### 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**

Walker Sealants Limited  
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# Armourgrout BP12

## Road Stud Grout



### MATERIAL DATA SHEET *continued*

3/3

**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.

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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.

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