



# Armourband® BP01

## Overbanding Crack Repair



### INSTALLATION METHOD STATEMENT

Latest Revision - April 2006

1/2

#### 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. SURFACE PREPARATION:

- 3.1 The client engineer or the installer shall establish the traffic management system to comply with Chapter 8 of the Traffic Signs Manual or as agreed between the purchaser and installer to ensure work can be carried out safely.
- 3.2 Light mixer to heat up **Armourband** material.
- 3.3 The area to be treated shall be thoroughly cleaned and dried using Hot Compressed Air to remove any dust, debris and loose material from the crack and adjacent surface area.

#### 4. MIXING & APPLICATION:

- 4.1 The system is normally applied when the ambient air temperature is above 5°C however the material is designed for application at temperatures of 0°C and rising providing the surface is dry and free of frost and salt deposits.
- 4.2 The material should be heated in a suitable size preheater fitted with thermostatic controls and horizontally mounted agitator. The application temperature (160 - 180°C) and maximum safe heating temperature (190 - 210°C) of the material shall be controlled in accordance with the manufacturers recommendations.
- 4.3 Carefully load the required amount of product into the preheater ensuring that the temperature controls under (4.2) are observed.
- 4.4 Raise the temperature of the material to 160 - 180°C and mix until fully homogenous. Maintain the application temperature range throughout the mixing and application process.
- 4.5 Apply the material by combing across the reflective cracking using a screed box with a suitably designed trailing edge to give the required finished thickness and width in accordance with the guideline requirements - HA31/94 Part 1.
- 4.6 The applied **Armourband** system should be allowed to cool to ambient temperature before re-opening the site to traffic.



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#### 5. INSTALLATION PROCEDURE

A visual check should be carried out to determine the uniform surface texture, blemishes and any discernible fault and that the repaired area is level with the adjacent road surfacing.

#### 6. SYSTEM 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.

#### 7. SAFETY CLOTHING & EQUIPMENT:

The following safety clothing and equipment must be worn **AT ALL TIMES** when handling, mixing of applying **Armourband** material:

<b>Hand Protection:</b>	Gloves - Industrial type, heat resistant with elasticated sleeves.
<b>Eye Protection:</b>	Safety Glasses, Goggles, Face Shield (when transferring molten Material).
<b>Skin Protection:</b>	High Visibility Jacket, Hard Safety Helmet, Overalls (Flame retardant), Closed Safety Boots.

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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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