



Armourlay® Tropical 45/60 BP03 & 03A

Overbanding, Crack Repair & Kerb Sealing



INSTALLATION METHOD STATEMENT

Latest Revision - April 2006

1/2

1. GENERAL DESCRIPTION:

A micro textured skid resistant crack sealing system for use on concrete and asphalt pavements. The **Armourseal** range of hot applied overbanding systems are general purpose crack sealing systems which in service achieve minimum SRV values of ≥ 45 and ≥ 60 respectively.

2. PRODUCT:

Armourlay OBS 45 & 60 Grades are polymer modified bituminous crack repair materials which are designed to achieve SRV values of ≥ 45 and ≥ 60 respectively. The products are formulated to resist trafficking and deformation in temperate climates and are suitable for application on all types of asphalt and concrete surfacing.

3. SURFACE PREPARATION:

- 3.1 Put out traffic management in accordance with the Department of Transport Traffic Signs Chapter 8 1991 or as agreed between the purchaser and installer to ensure work can be carried out safely.
- 3.2 Light mixer to heat up **Armourlay** materials.
- 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 systems are normally applied when the ambient air temperature is above 3°C however the materials are 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 homogeneous. Maintain the application temperature range throughout the mixing and application process.
- 4.5 Apply the **Armourseal** 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 Where required, a fine aggregate dressing can be applied to the hot applied **Armourseal** to enhance the SRV. Excess aggregate shall be removed once the system has cooled.



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2/2

- 4.7 The applied **Armourseal** system should be allowed to cool to ambient temperature before re-opening the site to traffic.
- 4.8 On an average Texture depth surface, the application rate for OBS 45 & 60 is approximately 4500 - 5500lm/metric Tonne on a 40mm overband.

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.

6. SAFETY CLOTHING & EQUIPMENT:

The following safety clothing and equipment must be worn **AT ALL TIMES** when handling, mixing or applying Armourlay materials:

Hand Protection: Gloves - Industrial type, heat resistant with elasticated sleeves.

Eye Protection: Safety Glasses, Goggles, Face Shield (When Transferring Molten Material).

Skin Protection: Overalls (Flame retardant) and Closed Safety Boots.

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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