



INSTALLATION METHOD STATEMENT Latest Revision - July 2021

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1. GENERAL DESCRIPTION:

Ultra-Band is a fill and overband crack repair system for asphalt and concrete. It penetrates deep into cracks and joints setting to a resilient loadbearing finish. It is ideally suited for filling and sealing cracks up to 40mm wide and defects between lane joints on non-porous bitumen surfaces and concrete. It is also ideal for overbanding where the seal can be applied at a width of up to 200mm.

2. PRODUCT:

The system is a hot applied polymer modified resin based compound incorporating a mixture of selected aggregates and minerals fillers.

3. SURFACE PREPARATION:

- 3.1 The client engineer or installer shall establish the traffic management system to comply with Chapter 8 of the Traffic Signs Manual.
- 3.2 The areas to which the material is to be applied shall be clearly defined by the client prior to commencement of work on site.
- 3.3 Clean the defects and the surrounding area using a stiff brush and dry thoroughly using a hot gas/air lance equipment removing all loose material, dirt, dust and foreign matter.
- 3.4 Any repairs to concrete surfaces should be primed with **Crete-Prime CP primer** prior to the application of **Ultra-Band** to enhance adhesion. The primer should be applied and allowed to dry in accordance with the manufacturer's recommendations.

4. MIXING & APPLICATION:

- 4.1 Installation should only be carried out by installers approved by Walker Sealants Ltd in accordance with Certificate 11/175 and this Installation Method Statement.
- 4.2 The ambient and road surface temperatures should be recorded at the start, and if the weather is variable, during the installation process. Installation must only be carried out if the road surface temperature is $\geq 5^{\circ}\text{C}$. The system should not be used during periods of continuous or heavy rain.
- 4.3 The **Ultra-Band** Fill and Overband Crack Repair System for Highways is satisfactory for use as a crack sealing system for the repair of cracks, reinstatement joints and fretted joints typically from 5 to 40mm wide in non-porous bituminous highway surfaces with texture depths not exceeding 2mm, or on concrete highway surfaces. The Certificate holder must be consulted regarding suitability of the existing road surfacing to receive the system.





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5. INSTALLATION PROCEDURE

- 5.1 Where the crack is deeper than 15mm it is necessary to install the System in two stages. **Ultra-Band** material is melted down in agitated, dedicated heated boilers to an application temperature of between 180°C and 210°C and the material is kept at this temperature for a period of 20 minutes before using.
- 5.2 Each charge of material should be heated and used. Do not add fresh material to the hot matrix as this will cause a temperature drop and may cause undigested material at the discharge point.
- 5.3 **Ultra-Band** is then poured into the prepared recess by bucket and suitable screed box to finish flush with the adjacent surface and allowed to set. For concrete repairs please ensure the primed surface is dry (approximately 15 minutes) before installing **Ultra-Band**.
- 5.4 If necessary the second application of **Ultra-Band** can be carried out at any time after the first application has cooled and is applied at an application temperature of between 180°C and 210°C. It is applied evenly over the previous application by screed box between 50 - 200mm wide bands as required.
- 5.5 As soon as the application has cooled (approximately 10 – 25 minutes dependent on ambient temperature) the work area may be re-opened to traffic.

6. SYSTEM INSTALLATION CHECKS:

In all cases the Installer should conduct a visual check for correct application. Any discernible faults at either stage of the installation must be corrected.

7. 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.

8. SAFETY CLOTHING & EQUIPMENT:

The following safety clothing and equipment must be worn **AT ALL TIMES**:

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

Eye Protection: Safety Glasses, Goggles, Face Shield (when transferring molten Material).

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

Walker Sealants Limited
Manufacturing & Sales Division
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Skin Protection:

High Visibility Jacket, Hard Safety Helmet, Overalls (Flame retardant),
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.
