



Dantex Ultra-Band® BR

A Flexible Fill & Overband Crack Repair System for Asphalt & Concrete



INSTALLATION METHOD STATEMENT

Latest Revision - July 2021

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1. GENERAL DESCRIPTION:

Ultra-Band BR is a Fill, Seal and Overband Crack Sealing System for asphalt and concrete highways. It is ideal for lane joint failures and fills cracks and creates an overband in one operation, creating flexible, impermeable and extremely durable repairs of non-porous bituminous and concrete surfaces.

2. PRODUCT:

Ultra-Band BR material is a hot applied, polymer modified, bituminous binder incorporating selected high PSV aggregates and mineral fillers. Approved aggregates include granite, basalt and calcined bauxite.

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 area to which the system is to be applied shall be clearly defined by the client prior to commencement of work.
- 3.3 The recess and surrounding area must be clean, dry and free from all loose aggregate, moribund sealant, road salt and any other loose material. Cleaning with a hot air lance is essential.
- 3.4 Any repairs to concrete surfaces should be primed with **Crete-Prime CP primer** prior to the application of **Ultra-Band BR** 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 BBA Certificate 20/H299 and this Installation Method Statement.
- 4.2 The ambient and road surface temperature should be recorded at the start and if the weather is variable, during the installation process. The Ultra-Band system can be carried out in damp conditions but only if the road surface temperature is $\geq 5^{\circ}\text{C}$. The system must not be used in periods of continuous or heavy rain.
- 4.3 The **Ultra-Band BR** fill and Overband Crack Repair System for Highways is satisfactory for use as a crack sealing system for the repair of cracks, fretted joints, reinstatement joints and joint slots from 5 and up to 40mm wide in non-porous bituminous highway surfaces with a texture depth not exceeding 2mm, or on concrete surfaces. The certificate holder must be consulted regarding the suitability of the existing road surfacing to receive the system.





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5. INSTALLATION PROCEDURE

- 5.1 The system is applied in two stages. **Ultra-Band BR** is melted down in agitated dedicated heated boilers to a laying temperature of between 180°C and 210°C, and the material kept at this temperature for a period of 20 minutes before using.
- 5.2 **Ultra-Band BR** material is then poured into the prepared recess by bucket and suitable width screed box, to finish flush with the adjacent surface.
- 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 The second application of **Ultra-Band BR** material may be carried out at any time after the first application. The second application is applied at a temperature of between 180°C and 210°C. the second application is applied evenly over the previous application by screed box between a 50 to 200 mm wide strip as necessary.

6. SYSTEM INSTALLATION CHECKS:

After the system has been applied the installer should conduct a visual check for uniform surface texture and any other discernible faults and carry out any remedial work as necessary prior to opening the site to traffic.

As soon as the application has cooled (approximately 10 – 25 minutes dependent on ambient temperature) the work area may be re-opened to traffic.

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

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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.
