



Dantex Ultra-Band® BR

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



MATERIAL DATA SHEET Latest Revision - December 2021

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1. GENERAL DESCRIPTION:

Ultra-Band BR is a flexible fill and overband repair system for cracks and joints in asphalt and concrete. It provides a flexible, impermeable and extremely durable repair that will prolong the service life of non-porous bituminous and concrete surfaces. Cracks and joints are treated up to a width of 50mm and the overband seal can be applied up to a width of 500mm. Inlaid on airfield runways and taxiways it effectively prevents FOD issues. **Ultra-Band BR** is perfect for repairs to lane joints in asphalt surfaces.

Ultra-Band BR is a unique, single component, hot-applied, bitumen and resin compound incorporating a mixture of fillers and aggregates. It has superior crack filling and sealing properties along with very effective adhesion. Formulated to have excellent load bearing and anti-oxidation properties, in its molten state the material flows and penetrates deep into cracks and joints setting to a resilient finish. A curing time of less than 30 minutes means minimal disruption to road and airfield users.

2. APPLICATION:

- Roads and Highways
- All Airfield Pavements
- Industrial Hardstandings
- Surface Car Parks

3. BENEFITS:

- Prevents foreign object damage (FOD)
- No waste
- Single step process
- Highly Flexible
- Optimal Adhesion
- Seals and covers defects around repair area
- High friction wearing surface
- Apply any time of year
- Prevents ingress of water and salts
- High performance

4. INSTALLATION:

Weather Conditions: Installation shall only be carried out at a road surface temperature $>0^{\circ}\text{C}$.

Preparation of the Surface: All repairs must be thoroughly dried using hot compressed air before and during the installation of the material.

Any excavation in concrete must be primed with **Crete-Prime**. Allow the primed area to cure (approximately 15 minutes).





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5. SYSTEM INSTALLATION PROCEDURE:

- 5.1 The material can be applied in two stages if the depth of the repair is >20mm. Bags of **Ultra-Band BR** are melted down in horizontal continuously agitated dedicated mixers with full thermostatic temperature control.
- 5.2 **Ultra-Band BR** is then poured into the prepared recess and screeded with a suitable sized screed box, to finish flush with the adjacent surface and allowed to set.
- 5.3 The second application of **Ultra-Band BR** can be carried out at any time after the first application has cured and is applied at an application temperature of 190°C±10°C. It is applied evenly over the previous application by screed box between 50mm - 500mm width as required.
- 5.4 Once cured, approximately 10 - 25 minutes dependent on ambient temperature, the work area should be swept and then re-opened to traffic.

6. TECHNICAL SPECIFICATIONS:

SPECIFIC GRAVITY:	1.6±0.2	
SOFTENING POINT (R&B):	95±5°C (EN1427)	
FLOW TEST 5HRS @ 60°C:	3mm max (EN13880-5)	
SLUMP TEST (CONE) 3HRS @ 70°C:	5% Max	
APPLICATION TEMP.:	190°C±10°C	
SKID RESISTANCE - After Wheel Tracking @ 50°C:	VALUE	REQUIRED
RETAINED TEXTURE DEPTH:	0.8	0.75 Max
RETAINED SKID RESISTANCE:	100	50 Min

7. PACKAGING AND STORAGE:

- STORAGE:** Store in a cool, dry, well-ventilated suitable for storing flammable materials.
- PACKAGING:** **Ultra-Band BR** is available in 20kg low-melt bags.
- SHELF LIFE:** Shelf life is 2 years if stored in dry conditions away from direct sunlight and in original unopened packaging.

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

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8. WARRANTY:

The Company warrants that the materials meet stated specifications at the time of dispatch from the factory. Techniques used for the preparation of the repair prior to application are beyond the Company's control, as are the use and application of the materials. The Company shall not be responsible for improperly applied or misused materials. There shall be no other warranties expressed or implied.

BEFORE ULTRA-BAND BR



AFTER ULTRA-BAND BR



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.
