



Dantex Ultra-Band®

Fill & Overband Crack Repair System for Asphalt & Concrete



MATERIAL DATA SHEET Latest Revision - December 2021

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1. GENERAL DESCRIPTION:

Ultra-Band is a BBA HAPAS approved filling, sealing and overbanding material for cracks and joints. 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 40mm and the overband seal can be applied up to a width of 200mm. Inlaid on airfield runways and taxiways it effectively prevents FOD issues.

Ultra-Band is a unique, single component, hot- applied, polymer modified, resin-based 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:

- BBA HAPAS approved
- Prevents foreign object damage (FOD)
- No waste
- Single step process
- No specialist equipment required
- 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 $>5^{\circ}\text{C}$.

Preparation of the Surface: The crack or joint and surrounding road surface must be dry or 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 is applied in two stages. Bags of **Ultra-Band** are melted down in agitated, dedicated mixers to an application temperature of $190^{\circ}\text{C} \pm 10^{\circ}\text{C}$ and kept at this temperature for 20 minutes before using.
- 5.2 **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.
- 5.3 The second application of **Ultra-Band** can be carried out at any time after the first application has cured and is applied at an application temperature of $190^{\circ}\text{C} \pm 10^{\circ}\text{C}$. It is applied evenly over the previous application by screed box between 50 - 200mm 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
PENETRATION TEST @ 25°C:	4mm Max
SKID RESISTANCE - Initial:	≥60
SKID RESISTANCE - After Wheel Tracking @ 50°C:	≥50
TEXTURE DEPTH - Initial:	≥1.5
TEXTURE DEPTH - After Wheel Tracking @ 50°C:	≥0.75
DE-ICING FLUIDS:	Resistant
APPLICATION TEMP.:	$190^{\circ}\text{C} \pm 10^{\circ}\text{C}$

7. PACKAGING AND STORAGE:

- STORAGE:** Store in a cool, dry, well-ventilated suitable for storing flammable materials.
- PACKAGING:** **Ultra-Band** B FLEX 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

Walker Sealants Limited
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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



AFTER ULTRA-BAND



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.
