



1. GENERAL DESCRIPTION:

Ultra-Screed is a versatile filler for voids, shallow potholes, ravelled surfaces, lane joints and most surface course defects.

2. PRODUCT:

Ultra-Screed is a hot applied, unique blend of resins, high PSV aggregates, mineral fillers and polymers.

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 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 prior to the application of **Ultra-Screed**.
- 3.5 The client should ensure that the pavement structure is adequate to support the traffic without undue cracking or deformation during the expected life of the system.

4. MIXING & APPLICATION:

- 4.1 The system is designed to be installed by a competent highway contractor experienced with this type of system.
- 4.2 Installation shall only be carried out at a road surface temperature in excess of +5°C and not during periods of heavy rain.

5. INSTALLATION PROCEDURE

- 5.1 Put the bags of **Ultra-Screed** material into a pre-heater/mixer and heat to a temperature of 185±10°C with constant agitation to ensure complete mixing of the materials. Measure the temperature using a gauge accurate to ±2°C.
- 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 Draw off the heated material in the mixer via the drain tap into a bucket and apply the hot **Ultra-Screed** material to the defective areas. Cure time is 30 minutes depending on ambient temperature and depth of repair. For concrete repairs please ensure the primed surface is dry (approximately 15 minutes) before installing **Ultra-Screed**.



INSTALLATION METHOD STATEMENT Latest Revision - July 2021

2/2

- 5.4 If the defective area requires pre-filling prior to the final screed then first fill the void with **Ultra-Screed** in lifts not exceeding 20mm. Additional layers may be built up using this method to leave a suitable level for the final screed. The final screed must be applied to ensure adequate skid resistance.
- 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** when handling, mixing of applying **Ultra-Screed** material:

Hand Protection:	Gloves - Industrial type, heat resistant with elasticated sleeves.
Eye Protection:	Safety Glasses, Goggles, Face Shield (when transferring molten Material).
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.

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Walker Sealants Limited
Manufacturing & Sales Division
Outland Head
Bradwell, Hope Valley
Derbyshire, S33 9JP
Tel: 01433 621 600



Directors: J.S. Walker, J.G.R. Walker
Company Reg No. 4041871

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