

SAFETRACK® OVERBANDING

Road Crack & Joint Sealing System

Description

SAFETRACK® Overbanding is a HAPAS Approved* liquid, cold-applied, fast curing overbanding system based on GCP Applied Technologies, previously Stirling Lloyd's unique ESSELAC® advanced resin technology and extensive experience in the development of high performance reinstatement products.

SAFETRACK® Overbanding is available in both High Modulus (HM) and Flexible (F) grades as defined in the BBA Crack Sealing Guideline document.

HM Grade – Suitable for the majority of applications.

F Grade – Developed for use where more movement is experienced. Please contact GCP for advice.

A major advantage of SAFETRACK® Overbanding is its fast cure and overlaying times across the application temperature range. To facilitate this both SAFETRACK® Overbanding (Bulk) 'HM' and 'F' grades are available in 'Standard' and 'Low Temperature' grades.

Certificate No. 10/H160, Product Sheets 1 & 5

Uses

SAFETRACK® Overbanding has been developed for the overbanding of cracks in asphalt substrates. The system is ideally suited for the following applications:

- Sealing cracks (up to 5mm wide)
- Sealing joints between reinstatement materials and the existing road
- Refreshing existing SAFETRACK® Overbanding to reseal and maintain performance indefinitely
- Providing a skid/slip resistance surface to manhole covers and road plates

Features

- First time reinstatement
- Quick, simple and economical to apply
- Cold applied – no hot trades
- Long service life – less maintenance
- Fast return to service with rapid cure and overlaying times
- Non-reflective finish
- Dimensionally stable
- Extends the life of asphalt
- Can be over-coated to extend service life
- Compatible with surface dressing
- Width can be varied to suit application

Technical Data

Bulk Pack

Material / Temperature ¹	Typical Working Life	Typical Cure Time
SAFETRACK® OB		
25°C	5 minutes	10 minutes
20°C	7 minutes	20 minutes
15°C	10 minutes	35 minutes
10°C	13 minutes	50 minutes
SAFETRACK® OB LT		
15°C	7 minutes	23 minutes
10°C	10 minutes	30 minutes
5°C	13 minutes	35 minutes
0°C	15 minutes	40 minutes

Patch Pack

Supplied in 'HM', low temperature grade with application instructions in the kit.

For the suitability of 'HM' or 'F' grade for your project, please contact GCP.

Surface Preparation

Measure the crack width. Overbanding can be placed in cracks up to 5mm wide. For cracks over 5mm wide and fretted joints, use SAFETRACK® Crack Infill.

The surface to be treated must be clean and dry. Use a stiff brush or oil free compressed air to clear the crack of all dust, standing water and loose material. Dry with a gas burner or with compressed air that is oil free and dry.

Application Equipment

There is a wide range of bespoke application equipment consisting of hand tools, hand propelled equipment and high output pumping systems available from GCP, designed to increase the speed and reduce the cost of Overbanding including:

- Draw boxes, 40mm to 200mm wide
- Trenchmaster, for slot filling
- Fillmaster, for high volume slot filling
- Fretmaster, for high output Overbanding applications
- Gripmaster, for dispersal of overscatter
- SAFETRACK® pumps, for use on larger projects for high outputs of material application

Application

SAFETRACK® Overbanding has 2 components – a pail of resin and a bag of BPO catalyst powder.

A funnel top draw box that is 40mm wide is needed. GCP Draw Box ref E51415 is suitable.

¹ Based on ambient, material and substrate temperature all being the same. Please be advised Safetrack Overbanding can be applied outside these temperatures, please contact us for further information / advice. Footer for other column

Mixing

Ensure the job is prepared before starting the mixing operation. Stir the resin thoroughly prior to use, whilst continuing to stir, add the BPO powder catalyst and mix thoroughly for a further 30 seconds. Scrape around the sides of the pail to ensure the catalyst is fully dispersed. This initiates the 'working life' during which time the Overbanding must be used. Without stopping, move quickly onto applying the material.

NB: The 'Patch Pack' is supplied with suitable measuring equipment to split the kit should you not require the full contents to be used in one application.

Application

To assist in pouring material, squeeze the sides of the pail together to form a spout. Pour the mixed material into the draw box as you pull it over the surface to produce an even band of material over the crack. Keep the draw box level and flat on the ground at all times.

Towards the end of the 'working life' polymerisation starts, the viscosity increases i.e. it becomes stiffer, the temperature rises and the material starts to gel. Do not try to place or work the material at this stage.

Before the Overbanding is allowed to gel it must be completely 'blinded' with 1mm dry aggregate ensuring no bare patches of resin are visible.

Once cured, typically 20 minutes at 20°C, the road may be opened to traffic.

Coverage

SAFETRACK® Overbanding 'HM' – 1.85kg/m²/mm
SAFETRACK® Overbanding 'F' - 1.65kg/m²/mm

Coverage rates will vary depending upon the size of the crack and surface texture but is typically 55 linear metres per kit using a 40mm draw box and with a surface texture depth of 0.5mm.

Aggregate Overscatter is typically 2kg/m².

Maintenance

As SAFETRACK® Overbanding is trafficked the aggregate overscatter is eventually removed to expose the premixed aggregate that provides the intrinsic skid resistance throughout the whole life of the material. The skid resistance values as assessed within the HAPAS Guidelines will be maintained.

If a repair is required (also see next Section), fresh SAFETRACK® Overbanding is quickly and easily applied to the existing material irrespective of the time since the previous installation enabling the integrity and performance of the installed material to be maintained indefinitely.

Repair

If SAFETRACK® Overbanding is damaged it can be quickly and easily repaired by removing any loose or damaged material, trimming back to sound material and re-applying fresh material. The exposed ends of the material do not need any special treatment as they will be sealed as the SAFETRACK® Overbanding bonds to itself

Colours

Asphalt Grey

Cleaning

All tools and equipment should be cleaned with Acetone before the material is allowed to cure.

Packaging & Storage

Bulk Pack

SAFETRACK® Overbanding 'HM': 8.08kg pack (inc.80g of BPO)

SAFETRACK® Crack Infill 'F': 8.2kg pack (inc. 200g of BPO)

Aggregate Overscatter - 25kg bag (sold separately to kit)

Patch Pack

SAFETRACK® Overbanding Patch Pack is supplied in a single container with all the necessary materials to apply the product.

All components should be stored in cool, dry, protected conditions, out of direct sunlight and in accordance with the relevant site Health & Safety regulations. Storage temperature must not exceed 25°C. Do not store near naked flames or foodstuffs.

Stored in unopened containers, under the correct conditions, the components have a minimum shelf life of twelve months. If your product is more than twelve months old you must contact GCP before use.

Health & Safety

Please refer to our safety datasheets for further information.

General Information

SAFETRACK® Overbanding is part of a wide range of specialist highway maintenance, waterproofing, surfacing and repair materials manufactured and supplied by GCP. If you require any further information on this or any other of our products, please contact us or visit our website www.gcpat.com.

gcpat.com | Technical Services, Manchester, UK (+44 (0) 1565 633111)

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