

# SAFETRACK<sup>®</sup> Crack Infill, Machine Grade

Crack & Fretted Joint Infill System

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Stirling Lloyd is now GCP Applied Technologies

## Product Description

SAFETRACK<sup>®</sup> Crack Infill is a HAPAS Approved (Certificate No. 10/H160, Product Sheet 2) cold, liquid applied, fast curing system based on our advanced ESSALAC<sup>®</sup> technology.

A major advantage of SAFETRACK<sup>®</sup> Crack Infill is its fast cure and overlaying times across the application temperature range. To facilitate this SAFETRACK<sup>®</sup> Crack Infill (Bulk) is also available in a low temperature grade: SAFETRACK<sup>®</sup> Crack Infill LT.

## Uses

Designed for the filling of open cracks in asphalt and concrete substrates, the system is ideally suited for the following applications:

- Infilling cracks over 5mm
- Filling and supporting weak fretted joints in asphalt.
- Kerb sealing
- Manhole and gully repairs
- Filling cat's eyes / road stud holes
- Refreshing existing installations of SAFETRACK<sup>®</sup> Crack Infill to reseal and maintain performance indefinitely

## Features

- Permanent, 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
- Excellent mechanical interlock
- Does not deform under traffic load
- Retains skid resistance in the long term
- 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 <sup>1</sup> | TYPICAL WORKING LIFE | TYPICAL CURE TIME |
|-------------------------------------|----------------------|-------------------|
| SAFETRACK® CI                       |                      |                   |
| 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® CI 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        |

<sup>1</sup> Based on ambient, material and substrate temperature all being the same. Please be advised SAFETRACK® Crack Infill can be applied outside these temperatures, please contact us for further information / advice.

### Patch Pack

| MATERIAL / TEMPERATURE <sup>1</sup> | TYPICAL WORKING LIFE | TYPICAL CURE TIME |
|-------------------------------------|----------------------|-------------------|
| SAFETRACK® PP                       |                      |                   |
| 20 °C                               | 5 minutes            | 20 minutes        |
| 0 °C                                | 15 minutes           | 40 minutes        |

## Surface Preparation

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 dirt, standing water and loose material. Dry with a SAFETRACK® Drying Lance or with compressed air that is oil free and dry.

## Application

A draw box between 40mm and 200mm is needed (dependant on the width of application). These are available from GCP.

## Mixing

Ensure the works are prepared before starting the mixing operation.

First release the securing steel band from the lids of the 288kg barrels and stir the resin in the barrel with an air powered two handle slow speed mixer equipped with mixer paddle long enough to reach the bottom of the barrel. This will remove the effects of any settlement within the material.

The premixed material is then pumped into the SAFETRACK® 100 pump via the aid of an air powered diaphragm pump. See manufacturer's instructions for the operation of the SAFETRACK® 100 pump.

The addition of the liquid BPO catalyst is automatically added to the Crack Infill to the correct proportions by the SAFETRACK® 100 pump.

## Application

The Crack Infill and the liquid BPO are pumped together to the head unit of the SAFETRACK® 100 pump and the material is discharged into the draw box of appropriate size which is pulled over the surface to produce an even band of material over the crack.

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 Crack Infill is allowed to gel it must be completely 'blinded' with 3mm dry aggregate ensuring no bare patches of resin are visible. The aggregate should be applied in such a manner that individual particles are allowed to fall vertically onto the Crack Infill. Once cured the road may be opened to traffic.

If required, the fill and overband elements of the infill can be applied separately. Note the overband and aggregate overscatter should be carried out at the same time to ensure optimum embedment.

## Coverage

Crack Infill – 1.85kg/m<sup>2</sup>/mm

Coverage per pack will vary depending upon the size of the crack and surface texture but based on using a 40mm Draw Box and a depth of 3mm it is typically 110 linear metres per 25.25kg.

Aggregate overscatter is typically 4kg/m<sup>2</sup>

## Maintenance

As SAFETRACK® Crack Infill 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.

SAFETRACK® Crack Infill can be applied onto existing SAFETRACK® Crack Infill as the material chemically bonds to itself enabling its integrity and performance to be maintained indefinitely.

## Repair

If SAFETRACK® Crack Infill 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® Crack Infill bonds to itself.

## Colour

Asphalt Grey

## Cleaning

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

## Packaging & Storage

### Bulk Packs

288kg barrels of resin and 25kg of liquid BPO catalyst  
Aggregate Overscatter – 25kg bag (sold separately to kit)

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 shelf life of twelve months.

## Health & Safety

Please refer to our SDS for further information.

## General Information

SAFETRACK® Crack Infill 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](http://www.gcpat.com).



ISOQAR / UKAS Cert 15174 ISO 9001, ISO 14001

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