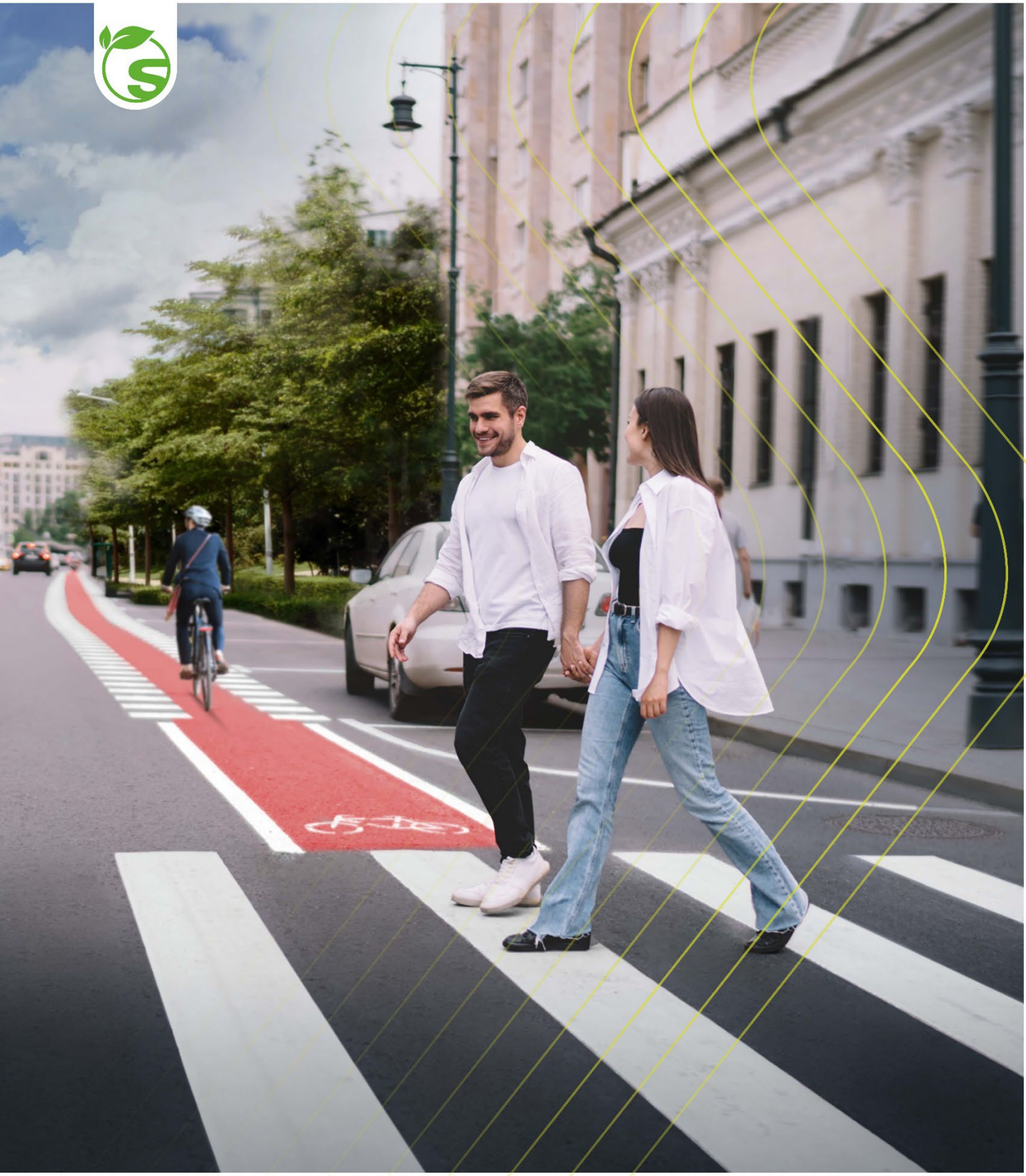
TECHNICAL INFORMATION

# SWARCO ECO TEXBAND Solo



swarco

Road Marking Systems

# SWARCO ECO TEXBAND Solo



**Important Information:**
Please consider our General Terms and Conditions and the general notes of the Technical Information Sheet! No liability is accepted for any errors! The information is provided to our best knowledge and experience. This information is, however, no warranty for any properties of the material. We provide this information without obligation, also regarding the rights of third parties. The user has to make sure that the material is appropriate for the respective application.

# 1 Main Characteristics

- BBA approved, hot applied (thermoplastic) system for the permanent repair of joints, cracks and open seams.
- Single pass application with a suitable screed shoe.
  - Used as a simple overband, it will repair defects up to 5mm wide;
  - Used as a fill and overband system, it will repair defects up to 40mm wide.
- When used as a treatment for early stage failures, SWARCO ECO TEXBAND Solo is a very cost effective way to protect the substrate from further deterioration or damage, helping to maintain and optimise the road network asset.
- Blend of macro and micro textures optimises both initial and long term skid resistance
- Fast curing times - typically 15 mins at ambient temperature.
- Suitable for use on both asphaltic and concrete surfaces (a primer may be required on concrete surfaces).

# 2 Packaging and Storage

SWARCO ECO TEXBAND Solo is supplied as a dry powder blend, with 50x 25kg bags on a 1.25 tonne wrapped pallet. The meltable polythene bags are added directly to a pre-heater boiler/mixer. Finished pallets are shrouded and stretch-wrapped for protection It is recommended that SWARCO ECO TEXBAND Solo material should be kept totally dry and stored away from direct sunlight and areas of potential contamination.

# 3 Technical Information

## 3.1 Aggregate Specification

Table below shows typical values only.

| Property | Typical Value |
|---|---|
| **Polished Stone Value (PSV)** | 62 |
| **Aggregate Abrasion Value (AAV)** | 4.6 |

## 3.2 Material Performance

The properties of the installed product are designed to conform to the requirements below:

| Parameter | Typical value | BBA/HAPAS specification |
|---|---|---|
| **Skid Resistance Value (SRV)** | ≥ 68 | ≥ 60 |
| **Initial texture depth** | 2.0 mm | ≥ 1.5 mm |
| **Tensile adhesion @ 20 °C** | 1.6 N/mm2 | ≥0.5 N/mm2 |
| **Cooling time** | 15-20 mins | N/A |

### 3.3 Spread Rates

Spread rates will vary widely depending on the road surface texture and the dimensions of the repair void. As a guide, for a 40mm wide and 50mm deep crack applied as a 150mm wide fill and overband, 1 tonne should typically cover 450 – 500 linear metres. The linear meterage values should increase accordingly as the crack dimensions reduce.

As a simple overband, a 40mm wide band should typically cover 2,500 – 3,500 linear metres per tonne.

## 4 Surface Preparation

### 4.1 Suitability of the Road Surface

The System is deemed suitable for use on non-porous bitumen and concrete based highway surfaces. The system is suitable for cracks, seams and joints up to 40mm wide.

### 4.2 Preparation of the Road Surface

The crack, seam or joint and adjacent area is thoroughly cleaned and dried using hot compressed air, removing all loose material, dust, grease and foreign matter.

Concrete substrates shall be inspected to ensure as to whether a primer is required or not. This can vary between sites and depends on the condition of the substrate.

Admixtures used during the concrete construction can lead to surface laitance and thus reduced adhesion, so any laitance present must be removed by scabbling / blasting before applying SWARCO ECO TEXBAND Solo.

Polished or worn concrete should be treated (i.e. by blasting or scabbling) before application of SWARCO ECO TEXBAND Solo to ensure the strongest possible bond is formed

### 4.3 Weather Considerations

The SWARCO ECO TEXBAND Solo system can be applied when the substrate temperature is between 1°C and 35°C, but should not be used in periods of continuous or heavy rain.

## 5 Installation

The crack or joint recess must be clean and dry and free from ice, loose aggregate, oil, grease, road salt and other loose material.

SWARCO ECO TEXBAND Solo is heated in an agitated pre-heater mixer to a temperature of 160˚C to 190˚C. The maximum safe heating temperature is 200°C. Prolonged overheating could lead to degradation of the binder component, which will adversely affect product performance.

The clean prepared crack or joint recess is then infilled with SWARCO ECO TEXBAND Solo using a suitable screed box to a width of ≥ 40mm. Typical screed box sizes include 100mm, 150mm & 200mm.

The screed box should be of a suitable design so that a sufficient volume of hot material always remains within the screed box to completely fill the crack or joint recess as the screed box is pulled along the surface.

The finished repair is allowed to cool before opening to traffic. This will typically take approximately 5 minutes.

SWARCO ECO TEXBAND Solo can be screed applied to cracks, joints or seams up to 40mm deep. Deeper repairs may require a two stage material application, with the final, topping layer overlapping the adjacent surface to seal the repair. When an adjacent application is required a ≥ 5mm overlap is recommended.

# 6 Certifications

SWARCO ECO TEXBAND Solo is BBA/HAPAS Approved for both overbanding (OB) and fill and overbanding (FAOB) applications. BBA Certificate number 16/H250 refers.

The management system of SWARCO HITEX LTD has been assessed and registered as meeting the requirements of BS EN ISO 9001 and BS EN ISO 14001.