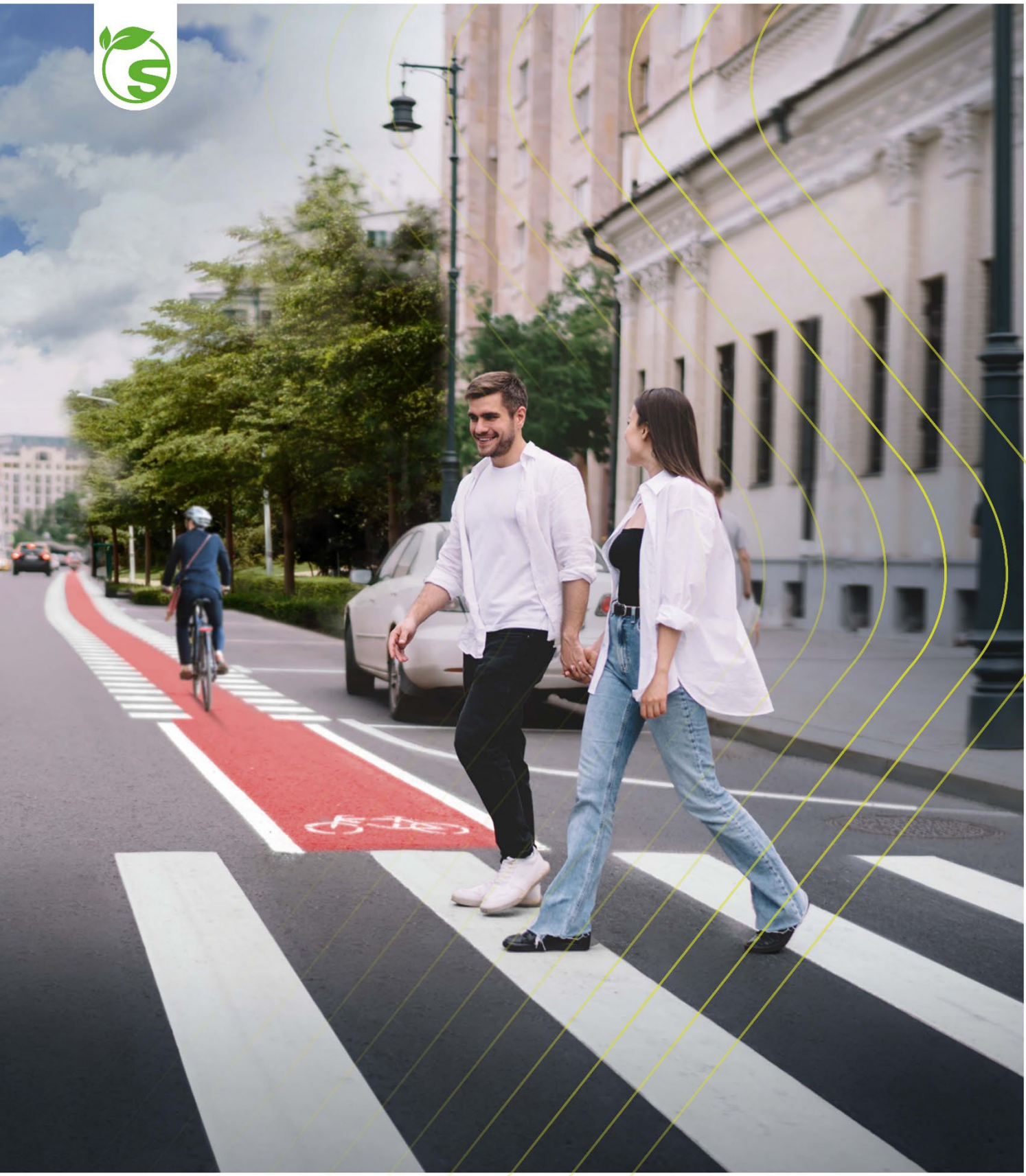
TECHNICAL INFORMATION

SWARCO ECO TEXPATCH



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Road Marking Systems

SWARCO ECO TEXPATCH

1 Main Characteristics

- BBA approved, hot applied thermoplastic system for use as a patch repair product for potholes and other similar defects occurring in bituminous surfaces on highways
- Economical screed-applied system used to seal and repair larger defects such as potholes.
- Provides a fast, permanent solution, and helps prevent further deterioration of the road surface
- SWARCO ECO TEXPATCH material incorporates polymer modified bitumen, fillers, aggregates and fibres

2 Packaging and Storage

SWARCO ECO TEXPATCH material is supplied in meltable polyethylene bags of approximately 25kg each. The bags are packed onto pallets of 50 bags and supplied in lots of approximately 1.25 tonne per pallet. Finished pallets are shrouded and stretch-wrapped for protection It is recommended that SWARCO ECO TEXPATCH products 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)	63
Aggregate Abrasion Value (AAV)	4.6

3.2 Material Performance

Parameter	Typical Value
Skid Resistance Value (SRV)	57
Initial texture depth	1.1 (in mm)

3.3 Spread Rates

The spread rates of SWARCO ECO TEXPATCH are dependent on the size and type of defect being filled.

4 Surface Preparation

4.1 Suitability of the Road Surface

The system SWARCO ECO TEXPATCH is suitable for use on bituminous surfaces, for road repairs of greater than 15mm depth and up to 1 square metre in size. Typically, defects with depths towards 50mm may require two applications – an initial pour to fill the main defect then a topping screed layer to fully seal in the repair

4.2 Preparation of the Road Surface

The defect and adjacent area shall be thoroughly cleaned and dried using a hot compressed air lance to remove all loose material, dust, grease and foreign matter.

4.3 Weather Considerations

The SWARCO ECO TEXPATCH Road Repair system can be applied when the ground temperature is between 0°C and 35°C, but should not be used in periods of continuous or heavy rain.

5 Installation

The defective area must be clean, dry and free from oils, grease, loose material / aggregate and road salt. Hot compressed air lancing shall be used to prepare the defect area prior to SWARCO ECO TEXPATCH application.

SWARCO ECO TEXPATCH is heated in an agitated pre-heater mixer to a temperature of 160˚C to 180˚C, allowing sufficient time for the material to fully mix.

The maximum safe heating temperature of SWARCO ECO TEXPATCH is 200°C. Material should not be heated above this temperature, as prolonged overheating could lead to degradation of the binder component, which will adversely affect product performance.

The clean prepared defect area is then infilled with SWARCO ECO TEXPATCH using a suitable screed box - typical sizes include 100mm, 150mm & 200mm. Larger repairs may require use of a wider screed box, both to aid regulating the final layer and to produce a satisfactory surface finish.

Deeper defect areas (depending on the nature of the defect) may require a two stage application – an initial pour to fill the main body of the defect then a topping screed layer to further seal in the repair, once the initial pour has sufficiently cooled, ideally to below 40°C. When an adjacent application is required a ≥ 5mm overlap is recommended.

The finished repair shall be allowed to cool before opening to traffic. This will typically take approximately 10 - 25 minutes, depending on the ambient temperature, repair depth etc. Deeper repairs may need two applications and will therefore take longer to fully set before being opened to traffic. In hotter conditions, water can be poured onto the surface of the finished repair to aid cooling.

6 Certifications

SWARCO ECO TEXPATCH is BBA/HAPAS Approved for use as a patch repair system (BBA certificate number 16/H251).

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.