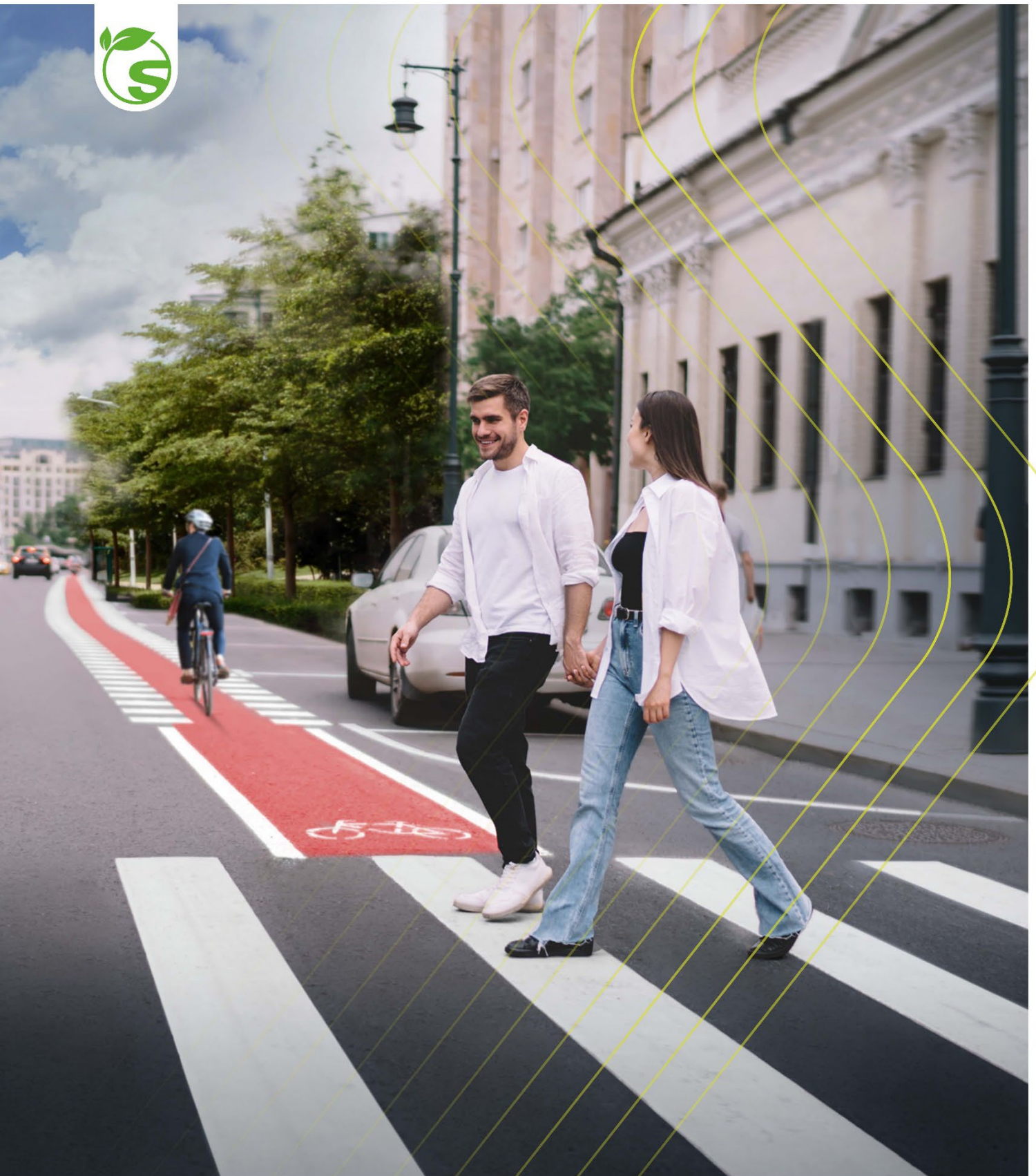


TECHNICAL INFORMATION

SWARCOTHERM ECO CYCLEWAY



SWARCOTHERM ECO CYCLEWAY

1	Main Characteristics	3
2	Packaging and Storage	3
3	Technical Information	3
3.1	Physical Properties	3
3.2	Binder.....	3
3.3	Aggregate	3
3.4	Material Performance	4
4	Surface Preparation	4
4.1	Preparation of the Road Surface.....	4
5	Application.....	4
5.1	Weather Conditions.....	4
5.2	Application.....	4
6	Certifications	5

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

- Cycle lane demarcation system containing pigmented modified rosin ester and granite or basalt aggregate
- Durable, maintenance-free, colourfast surface that can be trafficked 15-20 minutes after application
- Enhanced safety through vibrant range of colours, using heavy metal free pigments
- Economical spread rates to keep costs to a minimum on larger cycle schemes

2 Packaging and Storage

SWARCOTHERM ECO CYCLEWAY is supplied in meltable polyethylene bags of approximately 25kg each. They 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 SWARCOTHERM ECO CYCLEWAY should be kept totally dry and stored away from direct sunlight and areas of potential contamination.

3 Technical Information

3.1 Physical Properties

Relative density	2.00 ± 0.1 g/cm ²
Installation temperature range	0-40 °C
Application temperature	180-210 °C
Maximum safe heating temperature	230 °C
Cooling time (open to traffic) @20°C	Typically 15-20 mins

3.2 Binder

Property	Test Method	Specification
Softening point °C	BS 2000 Part 58:1988	100 ± 5 °C
Flow resistance	BS 2499 Part 3: 1993 (Mod.)	No flow
Flexibility	ASTM D3583 (Mod.)	No surface cracking or crazing

3.3 Aggregate

SWARCOTHERM ECO CYCLEWAY uses 100% granite or basalt aggregate.

Product Colour	Green/Blue	Red
Polished Stone Value (PSV)	63	55 minimum
Aggregate Abrasion Value (AAV)	1.4	1.4

3.4 Material Performance

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

Property	Typical Value
Skid Resistance Value (SRV)	60 +
Initial texture depth	1.5 mm
Spread rates*	125 - 140 m ² per tonne

*(dependant on the substrate texture and application thickness)

4 Surface Preparation

4.1 Preparation of the Road Surface

The areas to which the System is to be applied shall be clearly defined and marked by the Purchaser on the existing road surface prior to commencement of work on-site. Any imperfections in the road surface not acceptable to the Installer shall be reinstated with a material approved by the Purchaser in consultation with the Installer.

The road surface shall be clean, dry and free from ice, frost, loose aggregate, oil, grease, road salt and other loose matter which may impair adhesion of the System. To remove dust and other loose matter the road surface should be vigorously brushed or treated with hot compressed air. Any oil visible on the road surface shall be removed by washing and scrubbing with a suitable detergent solution followed by flushing with clean water or by other suitable means.

Existing Road markings, ironwork, road edges of area to be treated and road studs shall be suitably masked.

5 Application

5.1 Weather Conditions

Installation of the System shall only be carried out at a road surface temperature of 0°C to 35°C. Ambient and road surface temperatures shall be recorded at the start and if the weather is variable during the installation process. Road surfaces shall be dry before and during the installation of the System.

5.2 Application

The bags should be loaded into a preheat mixer fitted with thermal controls. The material must be agitated to avoid aggregate and binder segregation. After melting and mixing the material

shall be applied to the prepared road surface using a screed box typically between 200mm to 600mm wide with a suitably designed trailing edge to give an applied finish thickness of between 3 - 5 mm by combing transversely across the road surface, allowing the aggregate to be evenly distributed providing a well textured finish free of excessive lumps and similar surface blemishes.

The spread rate will vary according to road surface but should be between 125m² and 140m² per tonne. Initial texture depth of the finished surface is typically 1.5mm with a minimum Skid Resistance Value of 60 PTV when measured with a pendulum tester.

6 Certifications

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.