

## PRODUCT REFERENCE: ASD05 & ASD06 KARMOURGRIP CYCLEWAY:

### KARMOURGRIP THERMOPLASTIC CYCLEWAY SURFACING SYSTEMS

Karmourgrip CT is a thermoplastic hot screed treatment consisting of a polymer modified binder incorporating selected high PSV aggregates, mineral extender and pigment. The product is suitable for application on concrete and asphalt surfaces and is applied to a finished thickness of 2 – 3mm to provide a high visibility surfacing which is both durable and skid resistant.

#### USES:

Karmourgrip Cycleway treatments are used to create dedicated cycle routes and to highlight cycling reservoirs at traffic junctions to help cyclists negotiate heavily trafficked areas safely.

### PHYSICAL PROPERTIES:

Relative Density	2.00 ± 0.05
Installation Temperature Range	0° – 35°C
Application Temperature	190 ± 10° C
Maximum Safe Heating Temperature	230° C

### PRODUCT SPECIFICATION:

#### BINDER

The binder consists of a modified rosin ester, mineral oil, SBS and acetate co-polymer blend to comply with properties given in Table 1.

**Table 1**

Property	Test Method	Specification
Softening Point °C	BS 2000 Part 58	90 ± 5° C
Flow Resistance	BS 2499 Part 3	[ 3mm
Flexibility	ASTM D3583 (Modified)	No surface cracking or crazing

#### AGGREGATE

The coloured aggregate shall be washed and dried with a moisture content of less than 1% and a minimum PSV of 60. The amount of aggregate incorporated into the material shall be 55 ± 5% and the grading the incorporated aggregate and extender shall conform to the requirements of Table 2.

**Table 2**

Sieve Size	+3.35mm	+2.36mm	+1.18mm	+600um	+75um	– 75um
% Passing	100	100	45 – 75	25–50	5 – 15	0 – 15

**APPLICATION:**

The material shall be applied transversely across the road surface using a screed box with a suitable trailing edge allowing the encapsulated aggregate to be evenly distributed. On an average textured surface (TD = 1.5), the material shall be applied at a rate of 7.5 – 8.5kg/m<sup>2</sup> (120–140m<sup>2</sup>/tonne) and finished to give an even, durable and textured surface free of lumps and other blemishes.

**AFTERCARE**

The finished surfacing can be trafficked once the installation has reached the ambient temperature of the adjacent road surface.

**MATERIAL PERFORMANCE**

The properties of the installed Karmourgrip Cycleway material shall conform to the requirements given in Table 3.

**Table 3**

Parameter	Typical Value	Requirement
Skidding Resistance	65+	μ 60
Texture Depth	1.0 mm	μ 0.8 mm
Tensile Adhesion	0.6N/mm <sup>2</sup>	μ 0.5N/mm <sup>2</sup>

**FURTHER INFORMATION:** Additional information is available in the product Safety Data Sheet and Installation Method Statement or by contacting the following:

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