

Technical Data Sheet: Thermoplastic Road Marking

WEATHERLINE PLUS

General

Description	Hot applied thermoplastic road marking material	
Colour	White	
Reflection	Reflective	
Form	Structured dot road marking.	
Uses	Applications requiring premium durability and performance in terms of dry and wet reflection. Machine application only. Centre and edge lines. Can also be used for profiled rib edge lines.	
Application methods	Extrusion:	Machine
Application temperatures	Extrusion:	170-200°C
Safe heating temperature	Maximum:	230°C

Technical Data

BS EN 1871 ROAD MARKING MATERIALS – PHYSICAL PROPERTIES		
Compliance	Kitemark Licence No. KM 56765	
Chromaticity co-ordinates	White colour box	
Luminance factor	$\beta \geq 80$	Class LF6
Softening point (°C)	SP ≥ 95	Class SP3
BS EN 1436 ROAD MARKING MATERIALS – ROAD MARKING PERFORMANCE FOR ROAD USERS		
Luminance coefficient under diffuse illumination (mcd/m²/lx)	Qd ≥ 160	Class Q4
Luminance factor	$\beta \geq 0.40$	Class B3
Coefficient of retroreflected luminance (mcd/m²/lx)	R _L Dry ≥ 200	Class R4
Coefficient of retroreflected luminance (mcd/m²/lx)	R _L Wet ≥ 50	Class RW3
Skid resistance	SRT ≥ 55	Class S3 (expected performance as not assessed)

Supporting Information

Thermoplastic material consumption	Approx. 4.5kg/m ²
Drop-on material – glass beads, antiskid aggregates and mixtures of the two	Echostar 5 TRM or similar
Drop-on material consumption	Approx. 500g/m ²
Minimum ambient temperature	Recommended for application +5°C
Substrate preparation	Clean, dry, and free from any contamination
Packaging	1 tonne pallet consisting of 50 number 20kg melt bags stacked and shrink wrapped
Storage	Preferably under cover in a clean, dry, and cool environment. Note that part used pallets must be kept dry.
Shelf-life	12 months in dry and cool conditions. Note that the shelf-life will be reduced if stored outside of these conditions.
Health & Safety	A Safety Data Sheet (SDS) is available on request. This product is for application only by fully trained personnel. This product will cause severe thermal burns and must only be used in line with a full risk assessment to identify the control measures and personal protective equipment (PPE) such as suitable protective and reflective clothing, thermal gloves, and eye protection.