

# Technical Data Sheet: Thermoplastic Road Marking

## WEATHERLINE

### General

<b>Description</b>	Hot applied thermoplastic road marking material	
<b>Colour</b>	White	
<b>Reflection</b>	Reflective	
<b>Form</b>	Flat road marking	
<b>Uses</b>	Highest levels of durability and performance e.g. dry and wet reflection, and skid resistance. Centre, edge lines, hatching, lettering and arrows.	
<b>Application methods</b>	Extrusion: Screed:	Machine (primarily) Pedestrian pram and hand box (as required)
<b>Application temperatures</b>	Both	180-210°C
<b>Safe heating temperature</b>	Maximum:	230°C

### Technical Data

<b>BS EN 1871 ROAD MARKING MATERIALS – PHYSICAL PROPERTIES</b>		
<b>Compliance</b>	Kitemark Licence No. KM 56765	
<b>Chromaticity co-ordinates</b>	White colour box	
<b>Luminance factor</b>	$\beta \geq 80$	Class LF6
<b>Softening point (°C)</b>	SP $\geq 80$	Class SP2
<b>BS EN 1436 ROAD MARKING MATERIALS – ROAD MARKING PERFORMANCE FOR ROAD USERS</b>		
<b>Luminance coefficient under diffuse illumination (mcd/m<sup>2</sup>/lx)</b>	Qd $\geq 160$	Class Q4
<b>Luminance factor</b>	$\beta \geq 0.40$	Class B3
<b>Coefficient of retroreflected luminance (mcd/m<sup>2</sup>/lx)</b>	R <sub>L</sub> Dry $\geq 200$	Class R4
<b>Coefficient of retroreflected luminance (mcd/m<sup>2</sup>/lx)</b>	R <sub>L</sub> Wet $\geq 50$	Class RW3
<b>Skid resistance</b>	SRT $\geq 55$	Class S3

## Supporting Information

<b>Thermoplastic material consumption</b>	Approx. 5kg/m <sup>2</sup>
<b>Drop-on material – glass beads, antiskid aggregates and mixtures of the two</b>	Echostar 25 TRM SRT or similar
<b>Drop-on material consumption</b>	Approx. 500g/m <sup>2</sup>
<b>Minimum ambient temperature</b>	Recommended for application +5°C
<b>Substrate preparation</b>	Clean, dry, and free from any contamination
<b>Packaging</b>	1 tonne pallet consisting of 50 number 20kg melt bags stacked and shrink wrapped
<b>Storage</b>	Preferably under cover in a clean, dry, and cool environment. Note that part used pallets must be kept dry.
<b>Shelf-life</b>	12 months in dry and cool conditions. Note that the shelf-life will be reduced if stored outside of these conditions.
<b>Health &amp; Safety</b>	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.