



Thermoplastic Road Markings



Dotline

Low profile Type II Structured Themoplastic Road Marking Material for Improved Wet Night Visibility.

Part of our structured marking range, DotLine is an advanced lining system designed to increase road safety and reduce accidents by providing high visibility during dark and wet conditions.

Product specification and technical data



Dotline

Hitex DotLine is a performance thermoplastic containing high quality synthetic resins, plasticiser, polymers, glass beads, pigments, aggregates and fillers.

DotLine material is installed at rapid rates using specialist equipment to create a series of raised discs over a continuous base line. The unique pattern provides improved water drainage and achieves superior levels of retroreflectivity in dark and wet driving conditions. The modified formulation maintains a defined, uniform profile throughout its functional life.

Why DotLine?

- Excellent durability; designed to maintain structure throughout its functional life
- High performance formulation for superior levels of colour and heat stability
- Profile of marking provides improved drainage and enhanced visibility during dark and wet conditions with minimal noise and vibration for the driver
- Continuous baseline increases reflective surface area and durability
- Fast installation and curing times for minimal traffic disruption

Typical uses:

DotLine is suitable for all types of longitudinal road markings including

- Centre and Edge line markings

Compliances/ Approvals

DotLine is compliant with BS EN 1871 Physical properties (Kitemark Licence KM 93503) and BS EN 1436 Road marking performance for road users. It been assessed for durability at BSI Road Trails to BS EN 1824.

The management system of Hitex Traffic Safety Ltd has been assessed and registered as meeting the requirements of BS EN ISO 9001 and BS EN ISO 14001.

Application methods:

DotLine is applied using specialised application machinery.



Technical data

(See table opposite)

Packaging & storage

Hitex DotLine is supplied in melttable polyethylene bags of approximately 25kg each. They are packed onto pallets of 40 bags, and supplied in lots of approximately 1 tonne per pallet. Finished pallets are shrouded and stretch-wrapped for protection.

It is recommended that all thermoplastic and glass bead products should be kept totally dry and stored away from direct sunlight and areas of potential contamination.

Health & safety

For further information consult the relevant Safety Data Sheet (SDS).

Disclaimer

The information contained herein is accurate to the best of our knowledge and belief as at the date issued. The information and recommendations are offered for the user's consideration and examination for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. It is the user's responsibility to satisfy itself as to the suitability of such information for its particular use and to carry out their own COSHH assessment.

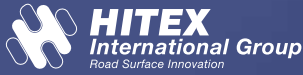
Technical Data

Generic Name	Brand Name	Grade	Colour	Min. Luminance (EN class)	Min. on the road Luminance (EN class)	Min. Softening point in °C (EN class)	Min. SRV (EN class)	Retroreflectivity value (EN class) mcd/m ² /lux	Retroreflectivity wet (EN class) mcd/m ² /lux
Non Reflective Thermoplastic for Scream/Extrusion	HilLine White	70	White	0.70 (LF4)	0.30 (B2)	65 (SP1)	45 (S1)	N/A	N/A
	HilLine Yellow	N/A	Yellow	0.40 (LF1)	0.20 (B1)	65 (SP1)	45 (S1)	N/A	N/A
	HilLine Primrose	N/A	Primrose	0.40 (LF1)	0.20 (B1)	65 (SP1)	45 (S1)	N/A	N/A
	HilLine Deep Cream	N/A	Cream	0.40 (LF1)	0.30 (B2)	65 (SP1)	45 (S1)	N/A	N/A
HilLine Redroute	HilLine Redroute	N/A	Signal Red	init. 10-11.5	6 mths 10-12.5	65 (SP1)	45 (S1)	N/A	N/A
		N/A	as BS 381						
Reflective Thermoplastic for Scream/Extrusion	HIBrite White	70	White	0.70 (LF4)	0.30 (B2)	65 (SP1)	45 (S1)	<100 (R0)	N/A
		100	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	100 (R2)	N/A
Spray Thermoplastic	HilLine Spray HIBrite Spray	100/55(SRV)	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	*55 (S3)	100 (R2)	N/A
		150	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	150 (R3)	N/A
		150/55(SRV)	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	*55 (S3)	150 (R3)	N/A
		200 ¹	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	200 (R4)	N/A
		200 ¹ /50(SRV)	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	50 (S2)	200 (R4)	N/A
		N/A	Yellow	0.40 (LF1)	0.30 (B2)	65 (SP1)	45 (S1)	N/A (R0)	N/A
		70	White	0.70 (LF4)	0.30 (B2)	65 (SP1)	45 (S1)	N/A	N/A
		70	White	0.70 (LF4)	0.30 (B2)	65 (SP1)	45 (S1)	N/A	N/A
		100	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	100 (R2)	N/A
		100/55(SRV)	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	*55 (S3)	100 (R2)	N/A
150/45	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	150 (R3)	N/A		
150/55	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	150 (R3)	N/A		
200/45	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	*55 (S3)	150 (R3)	N/A		
200 ¹	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	200 (R4)	N/A		
Superthin	N/A	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	200 (R4)	N/A	
HilLine Spray Yellow	N/A	Yellow	0.40 (LF1)	0.20 (B1)	65 (SP1)	45 (S1)	N/A	N/A	
HIBrite Spray Yellow	N/A	Yellow	0.40 (LF1)	0.20 (B1)	65 (SP1)	45 (S1)	N/A	N/A	
Embossed Thermoplastic	RainSafe	N/A	White	0.80 Class Lf6	0.40 (B3)	95 (SP3)	55 (S3)	150 (R3)	50 (RW3)
		N/A	White						
Profiled Thermoplastic	RibLine	70	White	0.70 (LF4)	0.30 (B2)	95 (SP3)	50 (S2)	100 (R2)	N/A
		100	White	0.80 (LF6)	0.40 (B3)	95 (SP3)	50 (S2)	100 (R2)	N/A
		150	White	0.80 (LF6)	0.40 (B3)	95 (SP3)	50 (S2)	150 (R3)	N/A
		200 ¹	White	0.80 (LF6)	0.40 (B3)	95 (SP3)	50 (S2)	200 (R4)	N/A
DotLine	DotLine	N/A	White	0.80 (LF6)	0.40 (B3)	95 (SP3)	55 (S3)	150 (R3)	50 (RW3)
		N/A	White						

* To achieve enhanced initial skid resistance levels, the use of AS type bead/aggregate blends are required
¹ To achieve initial retroreflectivities above 200mcd, use 200mcd grade with high performance glass beads

Min. flash point (all grades) = 230°C. Density (all grades) = 1.9 – 2.1 g/cm³

World Class Road Marking, Surfacing and Repair Solutions



Hitex International Group are a leading solutions provider of road safety markings and surfacings, road repair and decorative surface systems.

Through targeted product development, we have maximised the performance of our decorative range of surfacings to offer attractive, cost-effective and maintenance-free alternatives to traditional products. Every aspect of our installation is designed to perfectly blend durability and strength with aesthetic appeal.

Working with design engineers, landscape architects and local authorities, we continue to develop and expand our range of surface finishes to accommodate varying design criteria, as well as different climatic and environmental conditions.

Hitex International Group

Cloister Way, Ellesmere Port, Cheshire, CH65 4EL UK

TELEPHONE +44 (0)151 355 4100

EMAIL info@hitexinternational.com

WEBSITE www.hitexinternational.com
