



Thermoplastic Road Markings



HITEX
International Group
Road Surface Innovation

HiLine

Non-Reflective Thermoplastic Road Marking
Material - Screed/Extrusion Grade

HiLine thermoplastic is a durable, non-reflective material with excellent adhesion, colour and heat stability.

Product specification and technical data



HiLine

HiLine grades contain high quality synthetic resins, plasticiser, polymers, pigment, aggregates and fillers. They are available in standard non-reflective colours of yellow, primrose, deep cream and red. Non-standard colours, formulations and international grades are available on request.

Non-reflective HiLine and reflective HiBrite are our most popular road marking range for screed/ extrusion application.

Why HiLine

- Provides excellent day time visibility
- Cost effective marking solution
- Excellent durability with high levels of colour and heat stability
- Wear-resistant for use in highly trafficked areas

Typical uses

- Car parking bays and symbols
- Traffic guidance
- Parking, loading and waiting restriction areas
- City centre red route schemes

Compliances/Approvals

HiLine 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

The material can be applied using the following methods

- Hand or machine screed
- Machine extrusion

For full details, please refer to the relevant Best Practice Application Guide.

Technical data Standard grades

(Information on main sheet)



Packaging & storage

HiLine is supplied in meltable 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 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.

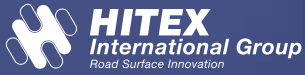
Technical Data

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	N/A	Signal Red as BS 381	init. 10-11.5	6 mths 10-12.5	65 (SP1)	45 (S1)	N/A	N/A
Reflective Thermoplastic for Scream/Extrusion	HilBrite 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	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
	HilBrite Spray	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
	Superthin	200 ¹	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	200 (R4)	N/A
		200/45	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	200 (R4)	N/A
		N/A	White	0.80 (LF6)	0.40 (B3)	95 (SP3)	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	
HilBrite 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)
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
Thermoplastic	Dotline	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
		N/A	White	0.80 (LF6)	0.40 (B3)	95 (SP3)	55 (S3)	150 (R3)	50 (RW3)

* 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.

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