



Thermoplastic Road Markings



HITEX
International Group
Road Surface Innovation

HiBrite

Reflective Thermoplastic Road Marking
Material - Screed/Extrusion Grade

HiBrite thermoplastic grades are engineered to achieve the highest levels of retroreflectivity, colour and heat stability, durability and adhesion.

Product specification and technical data



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 Screed/Extrusion	HiLine White	70	White	0.70 (LF4)	0.30 (B2)	65 (SP1)	45 (S1)	N/A	N/A
	HiLine Yellow	N/A	Yellow	0.40 (LF1)	0.20 (B1)	65 (SP1)	45 (S1)	N/A	N/A
	HiLine Primrose	N/A	Primrose	0.40 (LF1)	0.20 (B1)	65 (SP1)	45 (S1)	N/A	N/A
	HiLine Deep Cream	N/A	Cream	0.40 (LF1)	0.30 (B2)	65 (SP1)	45 (S1)	N/A	N/A
HiLine Redroute	HiLine Redroute	N/A	Signal Red	Init. 10-11.5	6 mths 10-12.5	65 (SP1)	45 (S1)	N/A	N/A
	as BS 381								
Reflective Thermoplastic for Screed/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
	100/55(SRV)	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	*55 (S3)	100 (R2)	N/A	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	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
		N/A	Yellow	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	200 (R4)	N/A
	HiBrite Yellow	N/A	Yellow	0.40 (LF1)	0.30 (B2)	65 (SP1)	45 (S1)	N/A (R0)	N/A
Spray Thermoplastic	HiLine Spray	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
	HiBrite Spray	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	N/A
		150/55	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	*55 (S3)	150 (R3)	N/A
	200/45	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	200 (R4)	N/A	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
		N/A	Yellow	0.40 (LF1)	0.20 (B1)	65 (SP1)	45 (S1)	N/A	N/A
HiLine 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)
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	N/A
		200 ¹	White	0.80 (LF6)	0.40 (B3)	95 (SP3)	50 (S2)	200 (R4)	N/A
DotLine	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

Technical data Standard grades

(Information on main sheet)

Packaging & storage

HiBrite 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 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.



HiBrite

HiBrite grades contain high quality synthetic resins, plasticiser, polymers, glass beads, pigment, aggregates and fillers. HiBrite is available in a full range of performance levels. Non-standard colours, formulations and international grades are available on request.

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

Why HiBrite?

- Full range of performance levels available
- Can be adapted to suit particular climatic requirements
- Excellent durability with high levels of colour and heat stability
- Wear-resistant for use in highly trafficked areas

Typical uses:

- Centre and edge line markings
- Junction markings
- Letters, arrows and other road marking symbols
- All areas where reflective safety markings are specified

Compliances/ Approvals

HiBrite 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.

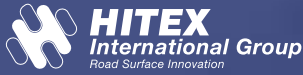
Application methods:

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.

World Class Road Marking, Surfacing and Repair Solutions



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

The group brings together four companies, each an established market leader, and experts in contracting services, material and equipment manufacture, and product development.

Through shared industry expertise and resources, we develop integrated solutions for a wide range of road infrastructure projects to meet the evolving challenges of the global road network.

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