



Thermoplastic Road Markings



Hitex Spray

Thermoplastic Road Marking Material for
Spray Application

Installed using specialist spray equipment, Hitex Spray thermoplastic grades achieve the highest performance levels of heat adhesion, line definition and heat stability when applied at rapid rates.

Product specification and technical data



Hitex Spray

Hitex Spray material is a polymer modified thermoplastic containing high quality synthetic resins, plasticiser, polymers, glass beads, pigment, aggregates and fillers.

Hitex Spray material is installed at high speed using specialised thermoplastic spray equipment. Overlay using spray material is a highly cost-effective method to rejuvenate road markings and structured markings that have fallen below specified performance levels, without the need to remove the existing sub-standard material.

Why Hitex Spray?

- Full range of performance levels available, including SuperThin and international grades
- Fast installation and curing times for minimal traffic disruption
- Cost-effective method for recovery of existing structured markings without exceeding legal height requirements
- Excellent durability with high levels of colour and heat stability

Typical uses:

Hitex Spray is ideal for:

- Cost-effective recovery of existing longitudinal markings, including structured lines
- New road surfaces where a thinner application is desired

Application methods:

Hitex Spray grades are applied by air atomisation using specialist machinery.

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

Compliances/Approvals

Hitex Spray 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

Technical data

(Information on main sheet)

Packaging & storage

Hitex Spray is supplied in 25kg 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.

Technical Data

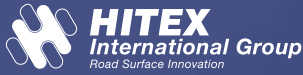
Generic Name	Brand Name	Grade	Colour	Min. Luminance (EN class)	Min. on the road luminance (EN class)	Min. Softening point in °C (EN class)	Min. SRV (EN class)	Retroreflectivity value (EN class) mcd/m ² /lux	Retroreflectivity wet (EN class) mcd/m ² /lux	
Non Reflective Thermoplastic for Screenshot/Extrusion	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	N/A	Signal Red	init. 10-11.5	6 mths 10-12.5	65 (SP1)	45 (S1)	N/A	N/A	
	N/A	N/A	as BS 381							
Reflective Thermoplastic for Screenshot/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	70	White	0.70 (LF4)	0.30 (B2)	65 (SP1)	45 (S1)	N/A	N/A	
		HilBrite Spray	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	N/A	
		White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	100 (R2)	N/A	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)	45 (S1)	150 (R3)	N/A	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	N/A	
	Superthin	N/A	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	200 (R4)	N/A	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)	
	70	White	0.70 (LF4)	0.30 (B2)	95 (SP3)	50 (S2)	100 (R2)	N/A		
Profiled Thermoplastic	RibLine	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	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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