



Thermoplastic Road Markings



HITEX
International Group
Road Surface Innovation

Hitex Rib

High Profile Type II Structured Thermoplastic Road Marking Material for improved wet night visibility and increased sensory awareness

Part of our structured marking range, the Hitex Rib system increases road safety and reduces accidents by transferring vibratory, auditory and visual warnings to the road user.

Product specification and technical data



Hitex Rib

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

The Hitex Rib system has been developed to increase road safety and improve visibility during dark and wet conditions. Hitex Rib material is installed at rapid rates using specialist equipment to create a series of raised ribs over a base line.

Why Hitex Rib?

- High profile gives auditory, vibratory and sensory warning to alert tired or inattentive drivers of lane transgressions
- Excellent durability; designed to maintain structure throughout its functional life
- Profile of marking provides improved drainage and enhanced visibility during dark and wet conditions
- High performance formulation for superior levels of colour and heat stability
- Fast installation and curing times for minimal traffic disruption

Typical uses:

- Edge markings on high speed roads

Compliances/Approvals

Hitex Rib 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:

Hitex Rib is screeded using specialist application machinery

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



Packaging & storage

Hitex Rib 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.

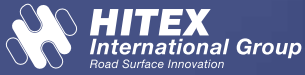
Technical Data

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	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
		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	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	White	0.80 (LF6)	0.40 (B3)	65 (SP1)	45 (S1)	200 (R4)	N/A		
Hiline Spray Yellow	N/A	White	0.80 (LF6)	0.40 (B3)	95 (SP3)	45 (S1)	200 (R4)	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)
		N/A	White						
Profiled Thermoplastic	Hirex Rib	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	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, 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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