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
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.

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.
<table>
<thead>
<tr>
<th>Brand Name</th>
<th>Generic Name</th>
<th>Grade</th>
<th>Colour</th>
<th>Min. Flash Point</th>
<th>Density</th>
<th>Min. Softening Point</th>
<th>Min. SRV</th>
<th>Retroflectivity</th>
<th>Min. Luminance</th>
<th>Min. Luminance</th>
</tr>
</thead>
<tbody>
<tr>
<td>HiLine White</td>
<td>Non Reflective Thermoplastic for Screed/Extrusion</td>
<td>N/A</td>
<td>N/A</td>
<td>&lt;100°C</td>
<td>1.9 – 2.1 g/cm³</td>
<td>N/A</td>
<td>&lt;100°C</td>
<td>1.9 – 2.1 g/cm³</td>
<td>N/A</td>
<td>&lt;100°C</td>
</tr>
</tbody>
</table>

1. To achieve initial retroreflectivity above 200 mcd, use 200 mcd grade with high performance glass beads.
2. To achieve enhanced initial skid resistance, use of AS type bead/aggregate blends are required.

**Retroflectivity**

<table>
<thead>
<tr>
<th>Brand Name</th>
<th>Generic Name</th>
<th>Colour</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>HiLine Redroute</td>
<td>Reflective Thermoplastic for Screed</td>
<td>Red</td>
<td>N/A</td>
</tr>
<tr>
<td>HiBrite White</td>
<td>Reflective Thermoplastic for Screed</td>
<td>White</td>
<td>N/A</td>
</tr>
<tr>
<td>HiBrite Yellow</td>
<td>Reflective Thermoplastic for Screed</td>
<td>Yellow</td>
<td>N/A</td>
</tr>
<tr>
<td>HiLine Spray</td>
<td>Spray Thermoplastic</td>
<td>Spray Yellow</td>
<td>N/A</td>
</tr>
<tr>
<td>HiBrite Spray</td>
<td>Spray Thermoplastic</td>
<td>Yellow</td>
<td>N/A</td>
</tr>
<tr>
<td>Superthin</td>
<td>Thermoplastic</td>
<td>Yellow</td>
<td>N/A</td>
</tr>
<tr>
<td>HiLine Spray Yellow</td>
<td>Spray Thermoplastic</td>
<td>Yellow</td>
<td>N/A</td>
</tr>
<tr>
<td>HiBrite Spray Yellow</td>
<td>Spray Thermoplastic</td>
<td>Yellow</td>
<td>N/A</td>
</tr>
<tr>
<td>RainSafe</td>
<td>Thermoplastic</td>
<td>Yellow</td>
<td>N/A</td>
</tr>
<tr>
<td>RibLine</td>
<td>Embossed Thermoplastic</td>
<td>Yellow</td>
<td>N/A</td>
</tr>
<tr>
<td>DotLine</td>
<td>Embossed Thermoplastic</td>
<td>Yellow</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Technical Data**

- Generic Name
- Brand Name
- Colour
- Grade
- Min. Flash Point
- Density
- Min. Softening Point
- Min. SRV
- Retroflectivity
- Min. Luminance
- Min. Luminance
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.