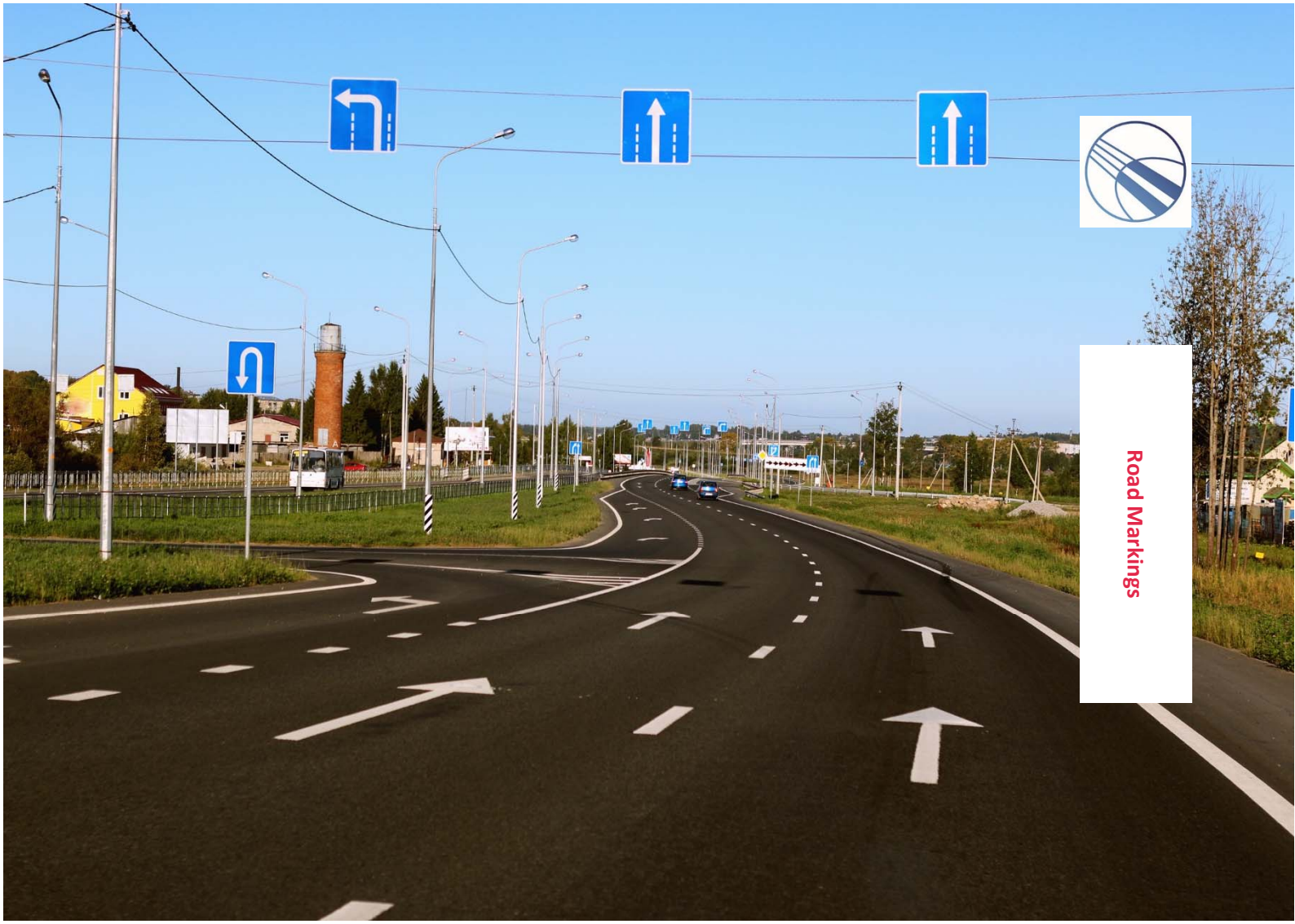

Road Markings

HITEX International Group
Road Surface Innovation

LOW ENERGY INSTALLATION

PumaBrite & PumaSpray

MMA Cold Plastic Road Marking Materials

PumaBrite and PumaSpray are engineered to achieve the highest levels of retroreflectivity, durability, adhesion and colour stability. PumaBrite is suitable for profiled (Type 2) enhanced wet night reflectivity

Product specification and technical data

ROAD SAFETY MARKINGS ASSOCIATION · ROAD SAFETY SURFACING ASSOCIATION · RSTA · BS EN 1871 KM 93503 · bsi. ISO 9001 Quality Management · bsi. ISO 14001 Environmental Management

PumaBrite & PumaSpray

PumaBrite and PumaSpray road markings comprise a modified MMA binder system, lead / heavy metal free pigments, glass beads, aggregates and fillers.

They are available in a full range of performance and application grades. Both type 1 flat lines and type 2 profiled markings can be applied using PumaBrite road marking material.

Why PumaBrite?

- Tough and durable with a long service life
- Catalyst controlled, rapid curing, typically 10 - 30 minutes
- Non-toxic binder system
- Fast and easy to apply
- PumaBrite is suitable for type II (profiled) wet night markings
- Highly resistant to discolouration
- Can be adapted to suit particular climatic requirements
- PumaSpray can be used to recover the performance levels of existing profiled markings, or as an economical thin layer marking

Typical uses: PumaBrite

- Centre and edge line markings
- Junction markings
- Letters, arrows and other road marking symbols
- Smaller scale works e.g. car parks, factory markings
- All areas where safety markings are specified

- Recovery of existing profile markings (PumaSpray)

Compliances/Approvals

PumaBrite and PumaSpray are compliant with BS EN 1871 Physical Properties (kitemark Licence KM 93503).

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.

Colour

Hitex MMA Puma range of markings are available in a selection of colours. White and yellow are the most popular; other colours are available on request.

Application method:

PumaBrite

- Extrusion by machine
- By hand screed

PumaSpray

- By machine spray (either 98:2 or 50:50)

Hitex Puma products require the use of a catalyst system to enable curing. Please refer to the relevant Installation Method Statement for full instructions on the application process.

Technical data

Table 1 Physical properties

Typical coverage rate per m²	2.6kg per m^2 (1.9kg per mm)
Pot life*	5 – 15 mins
Curing time*	10 – 30 mins
Road surface temperature range	0 – 40°C

*Dependant on ambient temperature and catalyst dosage

Packaging & storage

PumaBrite and PumaSpray are supplied in pre-weighed 10kg or 20kg pails. Other pack sizes available upon request. The catalyst (hardener) is supplied separately. Dosage of the catalyst varies according to material temperature.

It is recommended that PumaBrite and PumaSpray product should be kept totally dry and stored away from direct sunlight and areas of potential contamination.

The binder component must be stored away from any catalyst. Stable for 6 months when stored in a cool, dry place. Long periods of over-heating (e.g. external storage in summer) may lead to gelling of the material.

Health & safety

For further information, consult the relevant Safety Data Sheet (SDS).

Disclaimer

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