Technical data sheet

Product name: **ThermLite® 1871 High Performance**
Specification: **BS EN 1436**
Colour: **White**
Article no:
Binder type: **Hydrocarbon / Rosin Ester**

Intended usage

High performance thermoplastic road marking material for all kinds of asphalt and concrete traffic areas such as roads and motorways, on which high retroreflectivity during dry and wet-night visibility are demanded. Specifically developed for extrusion, screed or profile application. The material can be applied with double or single drop application method of retroreflective material.

System recommendation

The material is recommended for longitudinal road markings
Drop on material: UCme® Type DHR/Ultralux and UCme® Type II / BS EN 1423, reflective element &etc.

Material consumption

6.3 kg/m², depending on the surface texture depth and thickness of the applied material
Recommended thickness: 3.0mm
Drop-on material: 400 ~ 450 g/m² for Type DHR / Ultralux and 400 g/m² for Type II / BS EN 1423
200~250 g/m² Element and 400 g/m² for Type II or AASHTO M247 Type 1

Application and equipment recommendations

Application by Screedbox or extrusion machine equipped with
double-drop system.
Recommended application temperature: 180-210°C
For further information, please refer to the ThermLite® Application Instructions

Set-up time / Hardening time

7 minutes at a surface temperature of 20°C and a light breeze

Packaging

In woven/meltable bag of 25 kg, meltable is part of the binder.
Shrunk on Euro pallets with gross weight 1025 kg (40 bags) or 1225kg (48 bags)

Storage, handling and safety

The granulate may be stored for 1 year. Keep dry and protect from direct sunlight.
Safety: Please refer to the ThermLite® Material Safety Data Sheet.

Technical data according to EN 1871 –Material specifications

	Characteristic	Requirement
Before heat stability test	Chromaticity coordinates (x,y)	Coordinates within the specified colour region
	Luminance factor β	LF5 (≥0,75)
	Softening point (ºC)	SP2 (≥80)

Performance according to EN 1436 –Road marking performance for road users

Characteristic	Requirement
Coefficient of retroreflected luminance (Dry) R_L	R5 (≥ 300)
Coefficient of retroreflected luminance (Wet) R_L	RW4 (≥ 75)
Coefficient of retroreflected luminance (Rain) R_L	RR4 (≥ 75) application with wet beads/element
Chromaticity coordinates (x,y)	Coordinates within the specified colour region
Skid resistance (SRT)	S1 (≥45)

This is valid for an edge line on an RG2 classified surface with ADT ≤5000. For more information about warranty conditions, please refer to the ThermLite® performance matrix for respective market.

ISO certification

Geveko Markings is ISO 9001:2015 certified. See www.geveko-markings.com

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