

Description

Lineflex is a thermoplastic road marking material which has been specially formulated to form high build traffic calming measures using the screed application method. Lineflex is available in a range of standard colours including white, yellow, red or green and is normally supplied as non reflective material.

Lineflex is ideal for numerous traffic calming applications such as raised bars, humps, pads, mini roundabouts and cycle track delineators - anywhere a high profile is required for a physical 'thump' combined with colour for a visual alert.

Benefits

- High Wear Resistance
- Performs to a maximum thickness of 75mm

Technical

	White	Yellow
Application Method	Screed	Screed
Max Total Thickness	75mm	75mm
Softening Point (Wilhelmi)	>80°C	>80°C
Skid Resistance Value	>45	>45
Flash Point	>270°C	>270°C
Luminance Factor White	70 or 78	50
Relative Density (tonnes/m ³)	2.0±0.1	2.0±0.1
Coverage at 10mm thickness	50m ² /t	50m ² /t
Application Temp	170±10°C	170±10°C
Max Safe Heating Temp	220°C	220°C

Colours

White (RAL 9016), Yellow (RAL 1023), Red (RAL 3020), Green (RAL 6024)

Surface Preparation

Ensure that the road surface is dry and free from dust, dirt, grease, salt and other contaminants. The road surface temperature must be above 5°C. Be aware that road markings applied to new or abnormally hot bituminous surfaces can become discoloured or obliterated by the transfer of surface bitumen by vehicle tyres.

Lineflex can be laid over existing thermoplastic markings if the original markings are sound. Old paint markings must be removed before applying thermoplastic.

Badly worn bituminous or concrete surfaces should be treated with Bitex primer (see technical data sheet) prior to application of hot applied surfacing.

Application

The maximum safe heating temperature of 220°C should never be exceeded. Heating above the recommended pouring temperature or prolonged heating should be avoided otherwise deterioration of the pigment and the resin binder may occur.

Lineflex should be applied by the screed method. Thermoplastic materials are supplied in meltable polythene sacks, which enables the whole sack to be placed into a pre-heater fitted with a mechanical stirrer and thermometer. When the material has been heated to the required application temperature (see Technical), carefully transfer to the application equipment and proceed with use.

Melted materials may be re-used after solidifying providing the total time in the molten state has not exceeded 6 hours.

Screed according to specified plan, up to maximum of 20mm in a single pass. Allow each layer to cool before applying subsequent layers. Use purpose made moulds designed to form the final shape of the marking.

Aftercare

Under normal trafficking conditions with temperatures within normal ranges and periodic rainfall, thermoplastic should be self-cleaning.

Packaging and Storage

Thermoplastic road marking materials are packaged in polythene sacks and sold stretch-wrapped on pallets of approximately 1 tonne. This may vary for export/shipping requirements.

The sacks contain vent holes through which water can enter and therefore the material should be stored under cover in dry conditions. Under normal circumstances thermoplastic has a shelf life of at least 1 year.

Health and Safety

See separate Safety Data Sheet.