



**SUTTON ROAD MARKING LTD**  
Thermoplastic Road Markings  
Product Specification and Technical Data



# RIBLINE

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

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The RIBLINE system increases road safety and reduces accidents by transferring vibratory, auditory and visual warning to the road user.

## RIBLINE

RIBLINE is a high-performance thermoplastic containing high quality synthetic resins, plasticizer, polymers, glass beads, pigment, aggregates and fillers. Its purpose is to increase road safety and improve visibility during dark and wet conditions. The material is installed at rapid rates using specialized equipment to create a series of raised “ribs.” The RIBLINE, when overrun, will provide a sensory and auditory impulse to the motorist.

### APPLICATION

Profiled Markings can be laid as a profiled edge line marking to enhance wet night visibility. An important feature of Profiled Markings is an improved retro reflectivity in wet conditions. Profiled Markings thus always offer safety benefits in poor weather and additional sensory perception.

Recommended product thickness and spacing –

Base Line 2.0 – 3.0 mm

Raised Ribs 8.0 – 11.0 mm

Spacing – 500 mm centers

### TECHNIQUE

The thermoplastic is applied by a screed technique, through a special shoe, which has a controlled shutter to create the distinctive rib pattern of the marking.

To give good drainage characteristics, a drainage channel should be incorporated into the line at predetermined intervals.

It is mandatory that the base line and ribs shall be formed in one continuous integral process. The base line shall be screed applied at 2mm/3mm thickness; and the ribs at 8mm/11mm thickness above the base line.

A microprocessor controlled mechanical shutter shall be used to form the solid ribs at spacing's dictated by the contract but generally at 500 mm centers.

### DOUBLE-DROP

Immediately following application of the line, a double-drop system of all-weather beads shall be applied at a typical rate of 150 g/m<sup>2</sup>, then standard glass beads at 450 g/m<sup>2</sup> by an applicator gun.

All-weather beads include ultra-high, 1.9–2.4 blend refractive index microcrystalline ceramic beads.

Lines are tack free within 10 minutes at an ambient air temperature of 15°C.

### TYPICAL USES

On multi-lane roads; as edge lines on rural roads; and bike lanes.



### FEATURES

- 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

### TECHNICAL DATA

Grade	90 Series	
	White	Yellow
Colour	White	Yellow
Min. Luminance (EN Class)	0.80 (LF6)	0.60 (LF6)
Min. on the Road Luminance (EN Class)	0.60 (B3)	0.40 (B3)
Min. Softening Point in °C (EN Class)	95 (SP3)	95 (SP3)
Retroreflectivity Dry Average ASTM E1710	600	450
Retroreflectivity Wet Recovery Average ASTM E2177	400	325
Retroreflectivity Wet Continuous Average ASTM E2176-08	150	125
Retroreflectivity Wet Continuous Average ASTM E2832	300	250



# Road Markings: evolved.

Enabling better lane keeping & departure warning.

Automated vehicle cameras rely on visible markings to support a variety of functions—especially at night or in the rain. With all-weather elements, thermoplastic pavement markings can reach new levels of performance for drivers and ADAS systems in virtually any conditions.



**Bright-white wet or dry reflectivity**  
for both human and machine vision detection.

## Failure to keep in proper lane

was the most dangerous driving behavior between 2009 and 2013  
(Source: NHTSA)

Save lives with pavement markings that are:

## Brighter

Up to **28.3% crash reduction** in dry conditions  
(Source: Texas A&M Transportation Institute, 2014.)

# 1.25

million lives lost

globally per year as a result of road traffic crashes.  
(Source: World Health Org.)

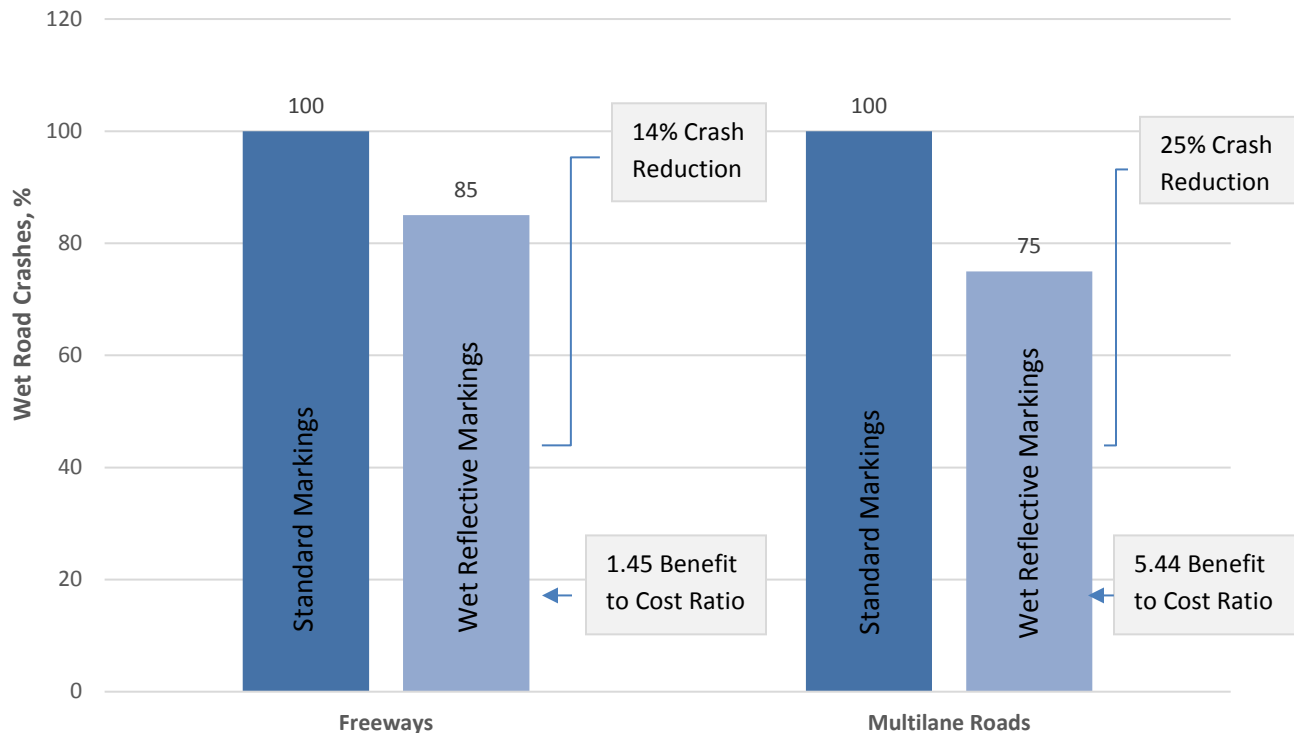
# 49%

of fatal crashes

happen at night, though the majority of traffic volume occurs during the day.  
(Source: Forbes)

### TRANSPORTATION SAFETY

#### Wet Reflective Pavement Markings Save Lives



# Leaders in Quality Road Marking

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**Sutton Road Marking LTD** has had the opportunity of providing quality road marking solutions in Western Canada for over 25 years.

This has been accomplished by many factors, but we feel our customer service and knowledge of the industry has made this possible.

We pride ourselves on quick efficient service at a competitive cost to the consumer.

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