



## High Intensity Grade

## Series 1000

### Retro-reflective sheeting which has a 10 year performance life.

Ideal for permanent traffic signs, temporary traffic control devices, and other type of safety devices requiring high visibility, legibility and durability. Meets and exceeds the requirements of BS EN 12899-1:2008.

#### YSL M-Lite<sup>®</sup>

YSL M-Lite<sup>®</sup> is high performance, durable retro-reflective material intended for use on permanent traffic control signs, delineators, and other traffic control devices such as signage.

It's unique microglass bead construction using **mbead<sup>®</sup>** metaview component provides an extremely high level of reflectivity.

The **YSL M-Lite<sup>®</sup>** retro-reflective sheeting delivers high contrast reflectivity values. This provides longer distance visibility for drivers to view, recognise and manoeuvre accordingly.



Viz Reflectives



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#### YSL M-Lite<sup>®</sup> 1200 Acrylic Features

Properties: excellent retro-reflectivity, Long-life span, excellent ductility. Can be printed, coated or die cut.

Retro-reflective sheeting which has a 10 year performance life.

Application: Ideal for permanent traffic signs, temporary traffic control devices etc.

Certified to meet BS EN 12899-1:2008 Fixed, vertical road traffic signs - Part 1: Fixed signs for Daylight appearance of retroreflective signs; Coefficient of retroreflection; Corrosion Resistance; Impact Resistance.

Good flexibility, non-tearable can be screen printed, jet printed and excellent for computer cutting, excellent durability.

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## Series 1000 Product & Application Data

Product Codes		Performance Life	White	Yellow	Red	Green	Blue	Orange	Brown
		10 year	1201	1202	1203	1204	1205	1206	1207
		<b>Minimum Coefficient of retro-reflection cd/lux/m<sup>2</sup></b>							
Series	Type of Adhesive	Observation Angle	Entrance Angle	○ White	● Yellow	● Red	● Green	● Blue	● Brown
1000	Pressure Sensitive	12°	5°	250	170	45	45	20	12
		20		180	120	25	21	14	8
		2		5	3	1	0.5	0.2	0.2
		12°	30	150	100	25	25	11	8.5
		20		100	70	14	12	8	5
		2		2.5	1.5	0.4	0.3	#	#
		12°	40	110	70	15	12	8	5
		20		95	60	13	11	7	3
		2		1.5	1	0.3	0.2	#	#

# = a value greater than zero but not significant or applicable

Roll Specifications	Width	Length	Roll Weight	Box Dimensions
<b>Imperial</b>	48"	50 yards	83.8 lb	53.1" x 8.7" x 10.6"
<b>Metric</b>	1.22 metres	45.7 metres	38 kg	135 cm x 22 cm x 27 cm
<b>Other sizes available:</b>	30" 0.762 metres	50 yards 45.7 metres		
	36" 0.914 metres	50 yards 45.7 metres		
	30" 0.762 metres	100 yards 91.4 metres		

### Adhesive sheet base material

YSL M-Lite® reflective sheeting is suitable for use on steel, aluminium and rigid PVC base boards. For best results treated aluminium base boards are recommended. When using a plastic base board it is suggested that the adhesion is tested on a small area before application.

### Adhesion temperature

The temperature of both the base board and the YSL M-Lite® sheeting should be synchronized to 18°C or above, with the optimum temperature being 20° - 25°C.

### Application method

In a clean environment, cut the reflective sheeting according to the board size. For large surface areas, machine application is recommended. Smaller areas can be hand-applied. After fixing in position use a squeegee to remove bubbles and wrinkles from the sheeting.

### Storage

YSL M-Lite® reflective sheeting should be stored in a clean, well ventilated environment. The optimum temperature for storage is 15° - 30°C with a humidity of 30-60 %. Unused rolls should be tightened and re-wrapped. All

rolls should be stored horizontally to avoid compression and stored out of direct sunlight.

### Usage of the product

YSL M-Lite® reflective sheeting has a wide variety of applications. These include road signs, aviation and railway signage, cars, trucks, ships and other vehicles.

Our reflective sheeting can provide long term reflective performance & weather resistance properties.

For further information on product usage see the YSL M-Lite® application manual.

### Products available

Series	PRODUCT DETAILS					APPLICATION					SUBSTRATE			PRINTABLE		
	Product Code	Substrate	Colour - Other colours available	Product Lifespan years	BS EN 12899-1 2008	Temporary Signage	Temporary Barriers	Advertising Signage	Fixed Permanent Signage	Road Cones and Delineators	Tearable	Non-Tearable	CAD CUT	Ink Jet	Screen Printable	
<b>300 Promotional Grade</b>	<b>3100</b>	PET		3	-	✓	✓	✓	-	-	-	✓	-	-	✓	
	<b>3100A</b>	PET/Acrylic	○●●●●●		-	✓	✓	✓	-	-	-	✓	-	-	✓	✓
	<b>3200</b>	Acrylic			-	✓	✓	✓	-	-	✓	-	✓	-	✓	✓
<b>500 Engineering Grade</b>	<b>5100</b>	PET		5	-	✓	✓	✓	✓	-	-	✓	-	-	✓	
	<b>5200</b>	Acrylic	○●●●●●		-	✓	✓	✓	✓	-	✓	-	✓	-	✓	✓
<b>700 Engineering Grade</b>	<b>7200</b>	Acrylic	○●●●●●	7	✓	✓	✓	✓	-	✓	-	✓	-	✓	✓	
<b>1000 High Intensity Grade</b>	<b>1100</b>	PET	○●●●●●	7	-	✓	✓	✓	✓	-	-	✓	-	-	✓	
	<b>1200</b>	Acrylic	○●●●●●	10	✓	✓	✓	✓	-	✓	-	✓	-	✓	✓	
	<b>1800</b>	PVC	○●	3	-	✓	✓	✓	-	✓	-	-	-	✓	✓	