

## Product Bulletin

### Reflexite® Fluorescent Pink Super Bright Roll-up Signs

#### The Product

Reflexite® Super Bright Roll-up Signs are flexible roll-up sign blanks made from reinforced microprismatic retroreflective sheeting. These sign blanks are suitable for fabrication of retroreflective roll-up signs used for incident management applications by Police, Fire, EMS, Utility, DOT, and other first responders. All Reflexite roll-up signs are designed to meet the requirements of the Manual on Uniform Traffic Control Devices (MUTCD).

#### Construction

Reflexite Super Bright Roll-up Signs consist of microprismatic retroreflective sheeting bonded to a heavy-duty fiber-reinforced vinyl material. This construction will not delaminate, and provides outstanding durability, legibility, and long sign life.

#### Microprismatic Sheeting Requirements

Reflexite Super Bright Roll-up Signs consist of a high gloss, transparent, UV-stabilized film bonded to a layer of cube corner microprisms. There are roughly 64,000 microprisms per square inch. The sheeting provides high brightness and long-term color and fluorescence retention.

#### Reflectivity

Reflexite Super Bright Roll-up Signs shall have the minimum coefficient of retroreflection shown in Table I when tested in accordance with ASTM E 810, "Standard Test Method for Coefficient of Retroreflection of Retroreflective Sheeting".

#### Daytime Color

Reflexite Super Bright Roll-up Signs conform to the daytime color requirements in Table II when tested in accordance with ASTM D 4956. The four pairs of coordinates determine the acceptable color when measured with standard illuminant D<sub>65</sub>.

#### Flexibility

Reflexite Super Bright Roll-up Signs meet the flexibility requirements of ASTM D 4956, Section 6.7. Reflexite Super Bright Roll-up Signs are sufficiently flexible such that through continuous use, setup and storage, the signs do not show any permanent creasing or delaminating.

#### Impact Resistance

Reflexite Super Bright Roll-up Signs shall show no signs of cracking or delaminating outside the actual area of impact when subjected to an impact of 11.3 N•m (100 inch-pound) generated by a 1.8kg (4.0 pound) weight with a 16mm (0.625") rounded tip on a Gardner variable impact tester, IG-1120, as per ASTM D 4956.

#### Enhanced Surface Preparation (ESP)

Reflexite Super Bright Roll-up Signs have a unique Enhanced Surface Preparation (ESP), which eliminates the need for a thorough cleaning (e.g. alcohol wipe) prior to screen-printing. It is still good business practice to wipe the surface with a clean, dry tack cloth. Enhanced Surface Preparation allows the use of vinyl graphics using pressure sensitive adhesives. Also, Enhanced Surface Preparation reduces the amount of dust, dirt and other road grime that sticks to Reflexite Super Bright Roll-up Signs.

#### Solvent Resistance

Reflexite Super Bright Roll-up Signs will not dissolve, blister, or pucker when wiped with a soft cloth wet with kerosene, mineral spirits, turpentine, VM&P Naphtha, 5% HCL NaOH, or Methanol.

#### Specular Gloss

Reflexite Super Bright Roll-up Signs shall have an 85° specular gloss of not less than 40 when tested in accordance with ASTM D 523.

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**Table I**  
**Coefficient of Retroreflection <sup>1</sup>**  
**(Candelas / Lux / Square Meter)**

Observation Angle	Entrance Angle	Fluorescent Pink
0.10°	- 4°	270
0.10°	+ 30°	110
0.20°	- 4°	180
0.20°	+ 30°	72
0.50°	- 4°	80
0.50°	+ 30°	30

<sup>1</sup> Per ASTM D 4956, values for 0.10° observation angles are supplementary requirements that shall apply only when specified by the purchaser in the contract or order.

**Table II**  
**Color Specification Limits (daytime)**

Color	Chromaticity Coordinates								Luminance Factor (Y%)
	1		2		3		4		
	x	y	x	y	x	y	x	y	Min.
Fluorescent Pink	0.450	0.270	0.590	0.350	0.644	0.290	0.536	0.230	25

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