

STIMSONITE MODEL C80

Raised Pavement Markers

PRODUCT DATA

Product Type: C80

Design: 4.55" x 3.20" x 0.66" (11.6 cm x 8.1 cm x 1.8 cm)

Weight: 2.50 oz. (71 grams)

Material: ABS plastic body with coated acrylic lens

Specification: Meets ASTM D 4280

Effective Date: 2016



Product Description:

Raised pavement markers are a safety device used on roads to improve delineation and increase preview time, particularly under wet conditions, and have been shown to decrease crash rates on highways with raised pavement marker center lines by approximately 0.5 crashed per million vehicle miles.

Raised pavement markers play an important safety function on roads, communicating both the travel path for short and long range vehicle operation.

Raised pavement markers may be applied using epoxy, bitumen, or preformed thermoplastic. The marker is normally applied to the road surface, but may be recessed into a saw cut as well.

Product Advantages:

- Abrasion resistant coating provides enhanced retained reflectivity
- Advanced optics deliver high reflectivity and durability
- Specially engineered bottom ensures aggressive grip to the roadway
- Recommended for high ADT and high intensity conditions

Packaging:

Available in 100 piece boxes per color combination. One pallet (36" x 40" x 50") = 48 boxes or 4,800 markers. One truckload = 26 pallets.

Other:

The following lens colors are available: white, yellow, red, blue, green, and fluorescent orange. Markers are available as a one-way marker with one lens and one plug, a two-way marker with two lenses of the same color, or a two-way marker with two different colored lenses.

Physical Characteristics:

Slope Of Lens:	35 degrees to base
Lens Face:	2.60 sq.in. (16.8 sq.cm.)
Longitudinal Flexural Strength Requirement: (ASTM D 4280)	> 2,000 lbs. (907 kg)
Compressive Strength Requirement: (ASTM D 4280)	> 6,000 lbs. (2,722 kg)

Coefficient Of Luminous Intensity (mcd/lx): (ASTM D 4280)

	<u>0 Degrees</u>	<u>20 Degrees</u>
White	279	112
Yellow	167	67
Red	70	28
Green	93	37
Blue	26	10

Specific Intensity (cd/fc): (ASTM D 4280)

	<u>0 Degrees</u>	<u>20 Degrees</u>
White	3.0	1.2
Yellow	1.8	0.72
Red	0.75	0.30
Green	1.0	0.4
Blue	0.28	0.11

Coefficient Of Luminous Intensity After Abrasion Resistance Testing (mcd/lx): (ASTM D 4280)

	<u>0 Degrees</u>	<u>20 Degrees</u>
White	140	56
Yellow	84	34
Red	35	14
Green	47	19
Blue	13	5

Specific Intensity After Abrasion Resistance Testing (cd/fc): (ASTM D 4280)

	<u>0 Degrees</u>	<u>20 Degrees</u>
White	1.5	0.60
Yellow	0.90	0.36
Red	0.38	0.15
Green	0.50	0.20
Blue	0.14	0.06

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