

ENGINEER GRADE REFLECTIVE

PRODUCT INFORMATION GUIDE

Application(s):	Our Engineer Grade reflective sheeting is a high quality, durable, enclosed lens retroreflective material. This reflective sheeting offers exceptional value for permanent traffic signage applications. Meets applicable requirements for engineer grade sheeting applications for Type 1 retroreflective sheeting as set forth in ASTM D 4956
Adhesive:	Permanent Pressure Sensitive (Class 1)
Face Film:	High Gloss
Liner:	White Polyethylene Coated Paper
Tape Application:	Minimum application temperature 4°C (40°F) Surface must be clean and free from dust, dirt, oil, wax, silicone.
Cleaning:	Clean tape surface with a mild soap and rinse with fresh water.
Shelf Life:	One year, when stored at 73°F (23°C), 50% +/- 5% relative humidity.

Property:	Test Method:	Measurement:
Outdoor Durability Operational Temp. Typical Film Caliper Specifications		7 years when properly processed and applied (vertical) (-40°C to 82°C) -40°F to 180°F 4.5 - 5.5 mils Meets all other requirements set forth in ASTM D 4956 including shrinkage, flexibility, liner removal, adhesion, impact resistance, specular gloss and outdoor weathering

Photometric Performance:

Exceeds Types III and IV values per ASTM D 4956. Minimum Coefficient of Retroreflectivity (R_A) (cd/lx/m^2)

Observation Angle (°)	Entrance Angle (°)	White	Yellow	Orange	Green	Red	Blue
0.2	-4	70	50	25	9	14	4
0.2	30	30	22	7	3.5	6	1.7
0.5	-4	30	25	13	4.5	7.5	2
0.5	30	15	13	4	22	3	0.8



This data is based on typical results achieved. It is the sole responsibility of the buyer or user to ensure that the product is suitable for any proposed end use or application and to ensure proper cleaning of the substrate to which it will be applied. This data in no way constitutes a specification, nor should it be seen as a recommendation for use. We accept no liability for any loss, damage or injury resulting from the use of these products or data.

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