

# Flexcon® ReflectaMark® PM 400 White Reflective V-344 50K-6 Reflectivity Data

Minimum Coefficient of Retroreflective Values (RA) (cd/lx/m<sup>2</sup>)

Observation Angle	Entrance Angle	Retroreflection
0.2°	-4°	70.0
0.2°	30°	30.0

“RA” essentially expresses the relationship:

$$\frac{\text{Light OUT (Retro)}}{\text{Light IN}} = \text{RA}$$

## Units of Retroreflectivity Measurement - RA

Performance values for retroreflective sheeting are an expression of the ability of that material to retroreflect light at a particular set of observation and entrance angles. The number given tells how much light is retroreflected at that set of angles for a given unit of light falling on a given area of the material. Technically, it is termed the “Coefficient of Retroreflection,” designated by the symbol RA, a/k/a retroreflectivity.

The technical meaning of the factors comprising retroreflectivity are candela per incident lux per square meter, often abbreviated to “cd/lx/m<sup>2</sup>.” The important concept to understand, however, is that the RA is a ratio. It does not tell how bright the sheeting will be on a given object. Rather, it is simply its ability to return light to the source at that particular set of observation and entrance angles.

## Product Performance and Suitability

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