

# AURA™ 112 Reflective Vinyl Engineer Grade

Product Code: 0112

Product Data Bulletin

## Product Overview

Aura Optical Systems AURA™ 112 Reflective Vinyl Engineer Grade sheeting is a flexible, enclosed lens retroreflective sheeting intended for use on applications requiring both product flexibility and durability of up to 5-years. Perfect for vehicle markings or advertising graphics. AURA™ 112 is conformable over smooth ridges and curves. It exhibits a very good bond to the most common substrates including painted steel and aluminum.

## Key Features

- Similar daytime and nighttime appearance
- Retains retroreflectivity when wet
- Conformable around curves and gentle ridges
- Printable with a variety of ink systems

## Color Availability

Product Code	Color
0112-00	White
0112-01	Yellow
0112-02	Red
0112-05	Blue
0112-07	Green

Other colors available upon request.

## Retroreflection

Typical Coefficient of Retroreflection at 0.2° Observation Angle / -4° Entrance Angle.

Color	R <sub>A</sub> (cd/lx/m <sup>2</sup> )
White	85
Yellow	60
Red	16
Blue	6
Green	10

## Physical Characteristics & Properties

Durability	Up to 5-years, when properly converted and installed in vertical position
Retroreflective Elements	Glass beads (Enclosed lens)
Film Thickness	200µm (approximately 8.0 mils) (excluding release liner)
Face Film	Polymeric Vinyl
Adhesive	50µm (2 mils) Permanent pressure-sensitive adhesive

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### Application & Conversion (continued)

Slight tenting may occur around rivets, sharp ridges, or some complex curves.

Some automotive paints may continue to out gas for some time which could disrupt application of the sheeting. Be sure painted surfaces are fully cured prior to application of the product.

AURA™ 112 Reflective Vinyl Engineer Grade can be computer sign cut using a variety of different industry plotters.

### Roll Sizes

AURA™ 112 Reflective Vinyl Engineer Grade is available in 45.7 meter (50 yard) rolls in different widths up to 1240mm (48 inches).

### Storage

Store in a cool, dry area. Use within 1-year of receipt of the product. Store rolls in original shipping carton or suspend horizontally from a rod through the core.

### Warranty Information

The information, technical data, and statements made herein are believed to be reliable, but the accuracy or completeness thereof is not guaranteed and should not be construed as a warranty or representation for which Aura Optical Systems assumes legal responsibility. All Aura Optical Systems products are sold with the understanding that the Purchaser has independently determined the suitability of such products for its purposes.

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