

AURA[®] 108 Commercial Grade

Product Code: 0108

Product Data Bulletin

Product Overview

Aura Optical Systems' AURA[®] 108 Commercial Grade sheeting is an enclosed lens retroreflective sheeting intended for use on signing applications requiring durability of up to 2-years, including traffic signs, advertising graphics, or promotional signing. It is supplied with a permanent pressure-sensitive adhesive and easy-release paper liner. It exhibits a very good bond to the most common substrates including painted steel and aluminum. Available in a wide variety of colors.

Key Features

- Similar daytime and nighttime appearance
- Retains retroreflectivity when wet
- Computer sign cuttable
- Printable with a variety of ink systems

Physical Characteristics & Properties

Durability	2-years, when properly converted and installed in vertical position
Retroreflective Elements	Glass beads (Enclosed lens)
Film Thickness	135 μ m (approximately 5.5 mils) (excluding release liner)
Face Film	Acrylic
Adhesive	50 μ m (2 mils) Permanent pressure-sensitive adhesive
Release Liner	Poly-coated paper liner
Application Surface	Flat surfaces only such as aluminum. Not recommended for unpainted stainless steel.
Application Temperature	15°C (60°F) minimum

Color Availability

Product Code	Color
0108-00	White
0108-01	Yellow
0108-02	Red
0108-04	Orange
0108-05	Blue
0108-07	Green
0108-10	Black

Other colors available upon request.

Retroreflection

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

Color	R _A (cd/lx/m ²)
White	60
Yellow	35
Red	12
Orange	18
Blue	3
Green	6
Black	0.3

Application & Conversion

AURA[®] 108 Commercial Grade can be screen printed with a wide variety of UV-ink, solvent-based, and other screen inks. Acrylic-based or vinyl-based solvent inks are most suitable. Compatibility and adhesion characteristics of an ink should always be tested through a test print.

Sheeting should be conditioned above 15°C (60°F) for at least 24-hours prior to application. Application should occur using a squeeze roll applicator or by hand using a firm rubber roller or plastic squeegee.

AURA[®] 108 Commercial Grade can be computer sign cut using a variety of different industry plotters.



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Roll Sizes

AURA® 108 Commercial 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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