

AURA[®] 106 Flexible Commercial Grade Fluorescent Yellow-Green Product Code: 0106-13

Product Data Bulletin

Product Overview

Aura Optical Systems AURA[®] 106 Flexible Commercial Grade Fluorescent Yellow-Green sheeting is a highly flexible retroreflective sheeting with a vibrant yellow-green color. Upon exposure to ultraviolet light, the sheeting will fluoresce for enhanced daytime visibility. The product is intended for short-term safety and graphics applications, including temporary warning signs, promotional signing, or advertising graphics.

Key Features

- Enhanced daytime visibility, especially at dusk and dawn
- Similar daytime and nighttime appearance
- Retains retroreflectivity when wet
- Conformable around curves and other irregular surfaces
- Printable with a variety of solvent-based ink systems

Retroreflection

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

Color	R _A (cd/lx/m ²)
Fluorescent Yellow-Green	60

Exterior Durability

Up to 12 months.

Physical Characteristics & Properties

Retroreflective Elements	Glass beads (Enclosed lens)
Film Thickness	135µm (approximately 5.5 mils) (excluding release liner)
Face Film	Flexible Urethane
Adhesive	50µm (2 mils) Permanent pressure-sensitive adhesive
Release Liner	Poly-coated paper liner
Application Surface	Painted metals. Can be applied over curves or ridges. Wet application method is not recommended. Not recommended for unpainted stainless steel.
Application Temperature	15°C (60°F) minimum
In Use Temperature Range	-20° to 70°C (-4° to 160°F)



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Application & Conversion Guidelines

Sheeting should be conditioned above 15°C (65°F) for at least 24-hours prior to printing, computer sign-cutting, or application.

Application should occur using a squeeze roll applicator or by hand using a firm rubber roller or plastic squeegee. Apply firm pressure during application to bond the adhesive to the substrate. Use a dry application method. Do not use detergent, water, or any commercial application liquids to position the reflective sheeting. Use of heat may be necessary to optimize conformance around sharp ridges or curves.

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.

Roll Sizes

AURA® 106 Flexible 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. **Do not expose directly to sunlight (or other forms of ultraviolet light) during storage as this may accelerate fading of the fluorescent color.**

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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