

AURA[®] 139 Fluorescent Vinyl Film

Product Code: 0139

Product Data Bulletin

Product Overview

Aura Optical Systems' AURA[®] 139 Fluorescent Vinyl Film is premium calendared PVC adhesive film intended to provide enhanced visibility to signs, graphics or vehicle markings, especially during low light hours of dusk or dawn. It is specifically formulated to provide enhanced color durability compared with competitive fluorescent products for longer outdoor use. Meets the requirements of ECE-070 for Rear Marking Plates of Heavy and Long Vehicles.

Physical Characteristics & Properties

Durability	3-years for vertical exposure ¹
Vinyl Face	95µm >150µm Polymeric Vinyl Film (approximately 3.8 mils)
Adhesive	High-Tack Permanent Acrylic
Release Liner	92 Lbs. Paper Liner
Application Temperature	15°C (60°F) minimum

¹ Actual color durability will depend upon the specific exposure and climate conditions. Color durability in Southern US / Southern European climates will be less. Horizontal exposure will also diminish color durability.

Color Availability

Product Code	Color
0139-15	Red-Orange/ Yellow

Other colors available upon special request.

Cutting & Application Guidelines

AURA[®] 139 can be computer sign cut on a wide variety of industry plotters. For best results, use radius corner fonts. Adjust cutting knife pressure to cleanly cut through the face film without penetrating the release liner. A 30° degree knife blade works best. AURA[®] 139 should be conditioned above 15°C (60°F) for at least 24-hours prior to conversion.

After cutting, store sheets flat. Avoid rolling or sharply bending the film as this may cause the release liner to separate from the adhesive.

Carefully weed the film to avoid damaging any cut letters or symbols. After weeding, store sheets flat and avoid excessive bending or rolling of the film.

A transfer tape can be applied by hand using a hand-roller or hand-squeegee or through the use of a squeeze roll laminator. If applying transfer tape by hand, always work from the center towards the outside of the sheet in both directions to avoid bubbles or wrinkles in the film.

After lamination of AURA[®] 139 to the sign substrate, carefully remove the transfer tape at as low an angle as possible. After removal of the transfer tape, reapply pressure over the AURA[®] 139 film to ensure proper adhesion.



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Roll Sizes

AURA® 139 Fluorescent Vinyl Film is available in widths up to 1.22m (48 inches) in a variety of roll lengths

Storage

Store in a cool, dry area which is free from excessive moisture or exposure to direct sunlight / ultraviolet light. Use within 1-year of receipt of the product. Store rolls in original shipping carton.

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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