

# AURA<sup>®</sup> 139 Fluorescent Red-Orange Vinyl Film

Product Code: 0139-15

Product Data Bulletin

## Product Overview

Aura Optical Systems' AURA<sup>®</sup> 139 Fluorescent Red-Orange 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	Up to 3-years for vertical exposure <sup>1</sup>
Vinyl Face	95µm Vinyl Film (approximately 3.8 mils)
Adhesive	High-Tack Permanent Acrylic
Release Liner	92 Lbs. Paper Liner
Application Surface	Intended for use on smooth, flat surfaces or gentle curves. Not intended for use as a vehicle wrap product.
Application Temperature	15°C (60°F) minimum

<sup>1</sup> 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

Other colors available upon special request.

## Cutting & Application Guidelines

AURA<sup>®</sup> 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<sup>®</sup> 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.

AURA<sup>®</sup> 139 Fluorescent Vinyl is intended for use on smooth, flat surfaces or gentle curves. It is important to apply the product unstressed without stretching, especially to curves or recesses. It is not suitable for application over rivets or complex curves and should not be used as a wrapping film. It is recommended to cut back the material from edges or complex curves to avoid any possibility of lifting leading to water ingress.

Lamination of the product should occur using a firm squeegee or hand roller. Always work from the center towards to edges to avoid bubbles or wrinkles in the film.

After lamination of AURA<sup>®</sup> 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<sup>®</sup> 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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