

# AURA® 191 Prismatic Grade

High Intensity Reflective to EN-12899-1 Class RA2, BS8442 Class R3B-UK (Red)



## Product Description

Aura Optical Systems' AURA® 191 High Intensity Prismatic Grade Sheeting is a micro prismatic retroreflective sheeting with up to 5 years durability. It is suitable for, traffic signing, delineators, Chapter 8 Kits (UK), construction work zone signing and other applications. The metallised single layer construction avoids the need for edge sealing compared to other prismatic films. Aura 191 meets the colour and reflectivity requirements of ASTM D-4956 Type III, EN-12899 Class RA2, BS8442 Class R3B-UK (Red), Chapter 8, and other high intensity prismatic specifications.

## Features & Benefits

- Prismatic high visibility film for conspicuity vehicle and traffic markings.
- Exterior durability 5 years.
- Metallised, single layer construction to prevent edge lifting and eliminate water ingress on cut letters or numbers.
- Micro prismatic elements aligned in multiple directions for a more uniform reflective appearance across different rotations.
- Aggressive high-tack adhesive for bonding to many different sign substrates.
- Meets the colour and reflectivity requirements of ASTM D-4956 Type III, EN-12899 Class RA2, BS8442 Class R3B-UK (Red), and Chapter 8 (UK).
- Red is suitable for plotter cutting and supplied on a PE Kraft Liner. White and Yellow are not suitable for plotter cutting.

Face Film	
Face Film	Micro Prismatic
Construction	Metalized with vacuum deposited aluminium
Gauge (Film and Liner)	235 mic

Adhesive	
Type	Aggressive high-tack adhesive.
Application temperature	+15°C to +40°C

Release Liner	
Print	Printed Aura
Type	Red - PE Liner White / Yellow – Polyester Film*

Finishes		
Finishes Available	MRF-191-00	Prismatic White
	MRF-191-01	Prismatic Yellow
	MRF-191-02	Prismatic Red

Roll Presentation	
Roll Widths	1.22m
Roll Lengths	45.7m

Durability	
Shelf Life	Use within 1 year of receipt of the Product. (10-20°C and 50% R.H). Store rolls in original shipping carton
External weathering	Up to 5 years for vertical exposure. Refer to full Metamark International durability guide.

For full optical specifications refer to [www.auraopticalsystems.com](http://www.auraopticalsystems.com)

## Application Guidelines

AURA® 191 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. Substrates should be cleaned prior to application. Wipe surfaces with rubbing alcohol (or similar solvent cleaner) and allow the surface to completely dry prior to application. Wet application method is NOT recommended. For application to plastic substrates, especially low surface energy plastics, it is important to flame treat (or otherwise surface treat) the plastic substrate prior to application.

Although AURA® 191 is supplied with an aggressive high-tack adhesive suitable for many plastics, it should be noted that all plastics are different. Many plastics, including fiberglass laminates, may contain ingredients or components that may migrate to the surface and adversely affect the adhesion or performance of the reflective sheeting. Similarly, the adhesive of AURA® 191 contains components that could potentially migrate into the plastic substrate. The user should always test the performance of AURA® 191 on their specific substrate.

## MetaSure® Warranty

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