

### Choose Metamark

Metamark materials are trusted by the world's leading producers of signs and graphics. They are specified by leading brands' managers and are insisted on when looking for quality and value.

### Customer Satisfaction and Value

We build relationships and we're prepared to listen, so we ensure our products and services better reflect your needs and technical requirements. We manage every element of your experience in working with us, from product performance to state of the art order processing.

### Aura Optical Systems

Specialising in reflective film and pressure-sensitive adhesive products, Aura Optical Systems products cut across a broad range of industries, technologies and applications.



## Reflective and Fluorescent Films

Vehicle and Traffic



For the latest pricing, application guides and technical support, visit [www.metamark.co.uk](http://www.metamark.co.uk)

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#### Metamark (UK) Limited

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**Warranty:** Metamark (UK) Limited warrants to its customers that completed decorative markings which utilise Metamark supplied products will remain in good condition without excessive fading or colour degradation for the specified life time of each material when correctly stored and applied in accordance with procedures outlined in the technical literature. The data is given in good faith to provide an indication of the performance of the product. Purchasers should consider the suitability of each product for its intended use and the purchaser assumes all risks in connection with such use. Seller shall not be liable for damages in excess of the purchase price of the product nor for incidental nor consequential loss.

**Performance you can trust**

**High Conspicuity Films designed  
for European Applications**

# Reflective for Vehicle and Traffic

## Micro-Prismatic, Engineering Grade and Fluorescent Films

Metamark and Aura Optical Systems micro-prismatic retro-reflective, and fluorescent films are engineered to ensure safe day time and night time viewing. The films are compliant to many European regulations (where necessary) including vehicle markings, conspicuity tape and similar applications. The products provide long term durability to external weathering, and offer ease of handling.

### AURA® 191 – High Intensity Prismatic Grade

Aura Optical Systems' AURA® 191 High Intensity Prismatic Grade is a micro-prismatic retro-reflective sheeting with up to 5 years durability for construction work zone signing, traffic signing, delineators and similar applications. The metallised single layer construction avoids the need for edge sealing and meets the colour and reflectivity requirements of ASTM D-4956 Type III, EN 12899 Class RA2<sup>1</sup>, R3B-UK (Red), Chapter 8 and other High Intensity Prismatic specifications.



#### Specification

High Intensity Grade

Metallised micro-prismatic  
235 micron

Durability 5 years

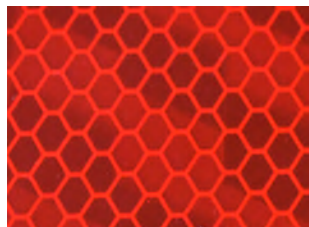
Chapter 8 (Red)  
ASTM D-4956-III  
EN 12899-1:2007 Class RA2<sup>1</sup>  
and Class R3B-UK (Red)

Roll size 1220mm x 45.7m

**MRF-191-00**  
White



**MRF-191-01**  
Yellow



**MRF-191-02**  
Red

### AURA® 144 – Conspicuity Tape

Aura Optical Systems' AURA® 144 Conspicuity Tape is a micro-prismatic retro-reflective tape that meets the requirements of European regulation ECE-104 Class C, for outlining the rear and sides of heavy goods vehicles so as to increase visibility. The metallised single layer construction avoids the need for edge sealing. AURA® 144 Conspicuity Tape has a durability of up to 7 years.



#### Specification

Conspicuity Tape

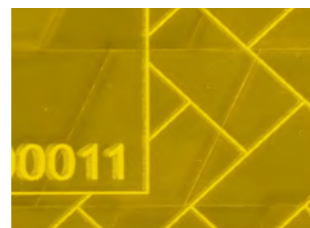
Metallised micro-prismatic  
225 micron

Durability 7 years

Approved to regulation  
ECE-104 Class C for HGV  
vehicle conspicuity markings

Roll size 50mm x 50m

**MRF-144-00**  
White



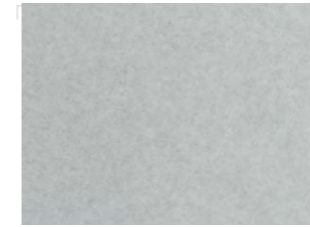
**MRF-144-01**  
Yellow



**MRF-144-02**  
Red

### Metamark MD-RF7 – Engineering Grade Reflective

Metamark MD-RF7 is a 7 year engineering grade reflective that meets the performance requirements of EN 12899 Class RA1<sup>1</sup>, for temporary traffic signage, ASTM D-4956 Type I, vehicle chevrons and other industry specifications. The cast film is printable on Solvent, Eco Solvent, Latex and UV Printers and for vinyl plotters. Metamark MD-RF7 is a versatile product offering good flexibility with a wide range of applications.



#### Specification

Engineering Grade Reflective

Cast enclosed lens glass bead  
115 micron

Flexible film

Durability 7 years

Printable on Solvent,  
Eco Solvent, UV, Latex  
and Screen Print

EN 12899-1:2007 Class RA1<sup>1</sup>  
ASTM D-4956-1

Roll size 1220mm x 50m

**MD-RF7-00**  
White



**MD-RF7-01**  
Yellow



**MD-RF7-02**  
Red

### AURA® 139 – Fluorescent Vinyl

Aura Optical Systems' AURA® 139 Fluorescent Vinyl is a premium 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 colour durability compared with competitive fluorescent products for longer outdoor use. AURA® 139 meets the requirements for European regulations for vehicle and traffic markings, including UK Chapter 8.



#### Specification

MFE-139FC-13 - Premium Cast PVC  
MFE-139-15 - Premium Calendered PVC

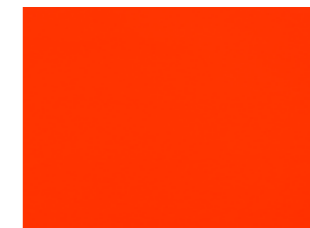
MFE-139-13 – 165 micron  
MFE-139-15 – 96 micron

Durability 3 years

Chapter 8 (Yellow)

Roll size 1220mm x 50m

**MFE-139FC-13**  
Yellow



**MFE-139-15**  
Red

<sup>1</sup>Meets the colour and reflectivity requirements of EN 12899. It is not CE Approved.

Durability – Refers to the unprinted film. Vertical exposure under Northern European conditions. For other regions and climates, refer to our full Durability Guide found on our website.

Colours shown for visual representation as a guide only.