

REFLECTIVE & FLUORESCENT FILMS

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 RA2¹, R3B-UK (Red), Chapter 8 and other High Intensity Prismatic specifications.



Specification

High Intensity Grade

Metallised micro-prismatic
235 micron

Durability 5 years

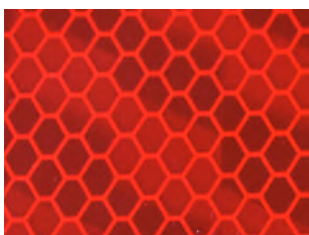
Chapter 8 (Red)
ASTM D-4956-III
EN 12899-1:2007 Class RA2¹
and Class R3B-UK (Red)

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

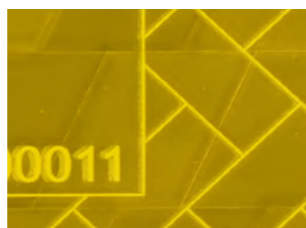
Metallised micro-prismatic
225 micron

Durability 7 years

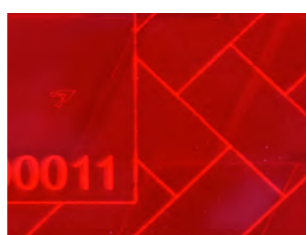
Approved to regulation
ECE-104 Class C for HGV
vehicle conspicuity markings

Roll size 50mm x 50m

MRF-144-00
White



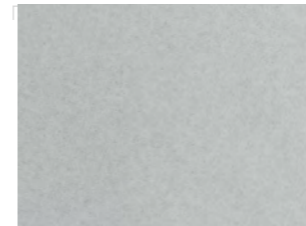
MRF-144-01
Yellow



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 RA1¹, 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 RA1¹
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 calendared PVC 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

Fluorescent Calendared PVC

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

Durability 3 years

Chapter 8 (Yellow)

Roll size 1220mm x 50m

MFE-139-13
Yellow



MFE-139-15
Red

¹Meets 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.

For further information on regulations ECE-104, EN 12899-1:2007 and Chapter 8, contact info@hggraphics.co.uk