

REFLECTIVE FILMS

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William Smith

REFLECTIVE FILMS

As part of William Smith Group 1832, we are one of the UK's leading distributors of self-adhesive materials and associated accessories to the sign, graphics and building interiors industries.

We place high standards on everything we do. As a trade-only company, we understand our customers and respect their business.

Our Reflective material guide is here to help you find the best material to suit your requirements. Choose from a wide range of 3M, Avery Dennison, Arlon and VION Films whatever your budget. Our vast stock levels and extensive range of films are available to order for next day delivery.

ONLINE ORDERING

Material is available to order online 24 hours a day.

MORE CHOICE

A wide range of 3M, Arlon, Contra Vision, Avery and VION films available to you.

PERSONABLE SERVICE

You will speak to an individual who will advise you about the right product. Not an automated system.

EXTENSIVE CHOICE

Short lead times from suppliers for specialist films not held in stock.

PROMOTIONAL OFFERS

Great discounts available throughout the year.

Visit our website www.williamsmith.co.uk for the latest information.

Opening Hours
8am - 6pm
Monday to Friday

with same day despatch
available on orders
received before 6pm.

Order online 24 hours a day

PLEASE NOTE - Colour chips
are for representation only
and samples are available
upon request for true colour.



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COMMERCIAL REFLECTIVE DIGITAL PRINT FILMS



3M™ Scotchlite Print Wrap Film 780mC

White reflective digital print film which offers a wider angle of reflectivity. Suitable for applications such as wraps on bikes, cars and vans, plus, bus graphics and textured walls.

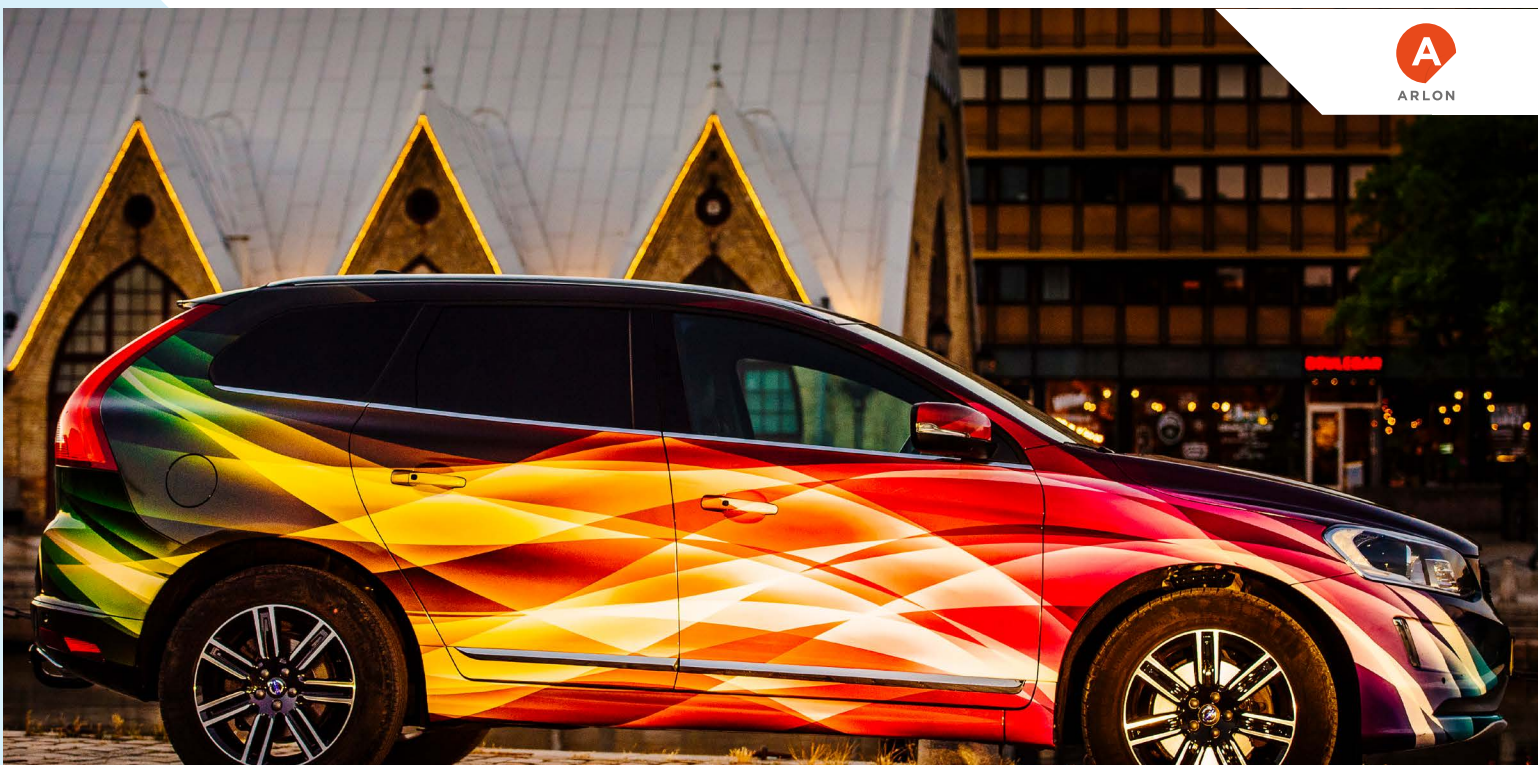
Excellent reflectivity makes graphics stand out 24 hours a day.

Available Sizes:
1220mm x 22.86m/45.72m

- Key Features:**
- Cast PVC
 - Up to 9 years durability
 - Internal, external use
 - 165 micron
 - Clear, removable adhesive

Application Temperature (°C) +10°C
Applications Signs, Vehicles and Textured Walls
Surface type Corrugations, Flat, Rivets, Simple Curves
Adhesive Type Repositionable, Pressure-activated
Film Finish Reflective
Printable Latex, Solvent, UV

COMMERCIAL REFLECTIVE DIGITAL PRINT FILMS



Arlon illumiNITE Wrap

IllumiNITE reflective wrap film, with FLITE Technology, will provide vibrant graphics by day and luminous graphics by night. It will offer the most efficient removal of a reflective vinyl film in its class.

Suitable applications including vehicle graphics, fleet markings, fleet graphics and vehicle decals.

Available Sizes:
1220mm x 45.72m

- Key Features:**
- Cast PVC
 - Up to 7 years durability
 - Internal, external use
 - 180 micron
 - Light grey, permanent adhesive

Application Temperature (°C) +10°C
Applications Vehicle Graphics, Fleet Graphics and Fleet Markings
Surface type Flat and irregular surfaces
Adhesive Type Solvent Acrylic, Permanent, Repositionable
Film Finish Reflective
Printable Latex, Solvent, Eco-Solvent, UV

COMMERCIAL REFLECTIVE DIGITAL PRINT FILMS



3M™ Scotchlite Series 580

A flexible, enclosed-lens, retroreflective sheeting with a permanent, pressure activated adhesive. Suitable for flat and moderately curved or corrugated surfaces on vehicles and fleet graphics.

This sheeting can be screen printed or digitally printed and has a durability of up to 8 years.

Application Temperature (°C) +13°C minimum

Applications Vehicles and Fleet Graphics

Surface type Flat, Corrugations, Rivets

Adhesive Type Pressure-sensitive

Film Finish Reflective

Printable Screen Printed

Available Sizes:
1220mm x 22.86m

- Key Features:**
- Enclosed lens reflective sheeting
 - Up to 8 years durability
 - External use
 - 200 micron
 - Clear, permanent adhesive

Products:

580-14E Orange	580-71E Yellow	580-72E Red
580-77E Green	580-81E Lemon Yellow	580-85E Black

COMMERCIAL REFLECTIVE DIGITAL PRINT FILMS



3M™ Scotchlite Series 680

A highly durable, flexible enclosed lens reflective sheeting designed for the production of attractive multicoloured markings, displays, signs and van markings which have the same appearance in the daytime and at night-time, even when viewed at side entrance angles.

Available in a wide choice of colours, and IJ680-10 as a printable option.

Application Temperature (°C) +13°C minimum

Applications Buildings, Opaque Signs, Vehicles

Surface type Corrugations, Flat, Rivets, Simple Curves

Adhesive Type Controltac Repositionable

Film Finish Reflective

Printable Screen Printed - (IJ680-10 Latex, Solvent, UV)

Available Sizes:
610mm/1220mm x 45.72m

- Key Features:**
- Enclosed lens reflective film
 - Up to 8-9 years durability
 - Internal, external use
 - 180 micron
 - Clear, permanent adhesive

Products:

680-64 Gold	680-71 Yellow	680-72 Red
680-75 Blue	680-77 Green	IJ680-10 White
680-85 Black		

COMMERCIAL REFLECTIVE DIGITAL PRINT FILMS

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Avery Dennison V4000 Reflective Series



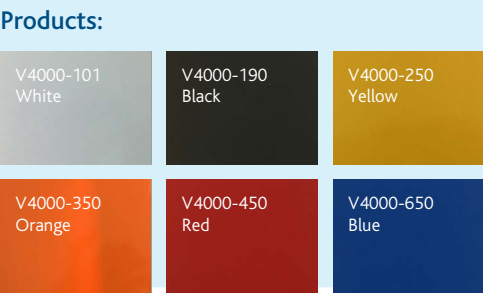
VION VR7000 Permanent Engineering Grade Series

A high-quality beaded retro reflective sheeting designed for long-term commercial and emergency fleet applications. It has excellent cutting and weeding performances as well as printing on screen presses.

A high level of reflectivity makes this a very versatile product that offers exceptional value for vehicle, architectural, and general signage applications requiring conformability and extended durability.

- Application Temperature (°C)** +10°C minimum
- Applications** Fleet, Emergency Vehicles, Signage
- Surface type** Flat to Moderate Curves
- Adhesive Type** Pressure-sensitive
- Film Finish** Reflective
- Printable** V4000-101 White, Latex, Solvent, UV

- Available Sizes:**
610mm/1220mm x 45.72m
- Key Features:**
- Prismatic reflective sheeting
 - Up to 7 year durability
 - External
 - 179-237 micron
 - Clear, permanent adhesive



VION VR7000 Permanent Engineering Grade Series is a retroreflective, flexible, beaded vinyl which is ideal for use on commercial signage and vehicle graphic applications.

Suitable for digital printing, this cast vinyl offers similar daytime and night-time appearance, whilst also retaining retro reflectivity when wet.

- Application Temperature (°C)** +15°C minimum
- Applications** Traffic Signs, Vehicle Graphics
- Surface type** Flat, Gentle Curves
- Adhesive Type** Pressure-sensitive
- Film Finish** Reflective
- Printable** Solvent, UV

- Available Sizes:**
610mm/1220mm x 50m
- Key Features:**
- Reflective film
 - Up to 7 year durability
 - External use
 - 160 micron
 - Clear, permanent adhesive





3M™ EG Series 3290i

An engineering grade reflective sheeting available in a range of colours making it ideal for street nameplates, parking plates, permanent road traffic signs and other every day signage that is less critical for road users.

Engineering Grade meets BS EN 12899-1:2007 for Class RA1 sheeting.

- Application Temperature (°C)** +16°C minimum
- Applications** Traffic Signs
- Surface type** Flat
- Adhesive Type** Pressure-sensitive
- Film Finish** Reflective

Available Sizes:
610mm/915mm/
1220mm x 45.72m

Key Features:

- Enclosed lens reflective sheeting
- 7 year durability
- External use
- 152 micron
- White, permanent adhesive

Products:

3271i Yellow	3272i Red	3275i Blue
3277i Interstate Green	3279i Brown	3290i White



3M™ EGP Series 3430

A non-metalized engineering grade prismatic reflective sheeting designed for the production of static, vertically mounted, road traffic signs, multi-colour signs, emblems and other markings. They appear similar in daytime and night-time when viewed by reflected light.

Engineering Grade Prismatic meets BS EN 12899-1:2007 for Class RA1 sheeting and is available in a range of colours.

- Application Temperature (°C)** +16°C minimum
- Applications** Traffic Signs
- Surface type** Flat
- Adhesive Type** Pressure-sensitive
- Film Finish** Reflective

Available Sizes:
1220mm x 45.72m

Key Features:

- Prismatic reflective sheeting
- 7 year durability
- External use
- 279 micron
- White, permanent adhesive

Products:

3430 White	3431 Yellow
3432 Red	3435 Blue



VION VR5200 Temporary Engineering Grade Series

VION VR5200 engineer grade reflective film is designed for use on flat and temporary signage. Providing outstanding reflectivity from all viewing angles, it performs exceptionally well in variable weather conditions.

Available in white and yellow, VR5200 Series features a non-permanent, pressure-sensitive adhesive.

Application Temperature (°C) +18°C minimum

Applications Traffic Signs

Surface type Flat

Adhesive Type Pressure-sensitive

Film Finish Reflective

Available Sizes:
610mm x 45.7m 1220mm x 50m

- Key Features:**
- Reflective sheeting
 - Up to 5 years durability
 - External use
 - 120 micron
 - Clear, permanent adhesive

Products:

VR5200-10
White

VR5200-11
Yellow





3M™ HIP Series 3930

Drivers need visible signs at all hours and in all conditions. 3M™ High Intensity Prismatic Reflective Sheeting Series 3930 is durable and bright to help your traffic signs perform well when and where they are needed most. Suitable for many traffic sign applications.

HIP sheeting outperforms all other class RA2 glass beaded materials in terms of reflectivity, colour contrast, legibility, brightness and durability.

Application Temperature (°C) +16°C minimum

Applications Traffic Signs

Surface type Flat

Adhesive Type Pressure-sensitive

Film Finish Reflective

Available Sizes:
610mm/762mm/915mm/
1220mm x 45.72m

- Key Features:**
- Prismatic reflective sheeting
 - 12 year durability
 - External use
 - 406 micron
 - White, permanent adhesive

Products:



3M™ HIP Temporary Series 3930CWZ

High intensity prismatic reflective sheeting for temporary signing installations, such as those required for Chapter 8, delivering RA2 levels of reflectivity. Temporary HIP can be used on any static traffic signs and delineators that are mounted either vertically or on an A frame.

Providing long term reflectivity and durability and available in a choice of white or yellow.

Application Temperature (°C) +16°C minimum

Applications Traffic Signs

Surface type Flat

Adhesive Type Pressure-sensitive

Film Finish Reflective

Available Sizes:
610mm/762mm/914mm x 45.72m

- Key Features:**
- Prismatic reflective sheeting
 - Up to 3 years durability
 - External use
 - 279 micron
 - White, permanent adhesive

Products:





3M™ Diamond Grade³ Series 4000

Diamond grade³ series 4000 is a super-high efficiency, full cube retro reflective sheeting designed for durable road traffic signs, including gantries, motorways and trunk road signs, providing outstanding reflectivity at every viewing angle, in all weather and daylight conditions.

Meets the requirements of BS EN12899 classes R3B & C UK.

Application Temperature (°C) +16°C minimum

Applications Traffic Signs

Surface type Flat

Adhesive Type Pressure-sensitive

Film Finish Reflective

Available Sizes:
610mm/914mm/1220mm x 45.72m

- Key Features:**
- Prismatic reflective sheeting
 - 12 year durability (10 years for Fluorescent)
 - External
 - 406 micron
 - White, permanent adhesive

Products:



3M™ Diamond Grade³ Series 4051 Temporary

Perfect for temporary road traffic signs, 3M Diamond Grade Fluorescent DG3 Reflective Sheeting provides outstanding reflectivity at every viewing distance, in all weather and daylight conditions.

Meeting the requirements for classes RA2, 3A and 3B, Fluorescent DG3 is also perfect for highlighting specific hazards, especially in the constantly changing environment of ongoing road works.

Application Temperature (°C) +16°C minimum

Applications Traffic Signs

Surface type Flat

Adhesive Type Pressure-sensitive

Film Finish Reflective

Available Sizes:
914mm x 45.72m

- Key Features:**
- Prismatic reflective sheeting
 - Up to 2 years durability
 - External
 - 430 micron
 - White, permanent adhesive

Products:





3M™ Scotchcal Series 3480

Perfect for short term applications onto high visibility signs and vehicle applications. This fluorescent vinyl is highly conspicuous under all daylight conditions but also provides the high attention value desired under conditions of poor visibility.

Series 3485 Saturn yellow can be used with 3M Scotchlite 980-72 for Chapter 8 chevron kits.

Application Temperature (°C) +4°C minimum

Applications Vehicles, Opaque Signs

Film Type Cast

Surface type Flat

Adhesive Type Pressure-sensitive

Film Finish Fluorescent

Available Sizes:
610mm/1220mm x 45.72m

- Key Features:
- Cast PVC
 - Up to 3 years durability
 - Internal, external use
 - 250 micron
 - White, removable adhesive

Products:



3M™ Scotchcal Series 7725se-400

A short-term fluorescent cast film used to create highly visible signage and vehicle graphics. These fluorescent films are extremely conspicuous under all daylight conditions, particularly at dawn or dusk.

Available in a choice of 3 colours.

Application Temparture (°C) +4°C minimum

Applications Vehicles, Opaque Signs

Film Type Cast

Surface type Flat, Rivets, Simple Curves

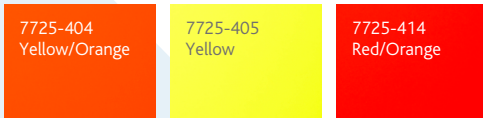
Adhesive Type Pressure-sensitive

Film Flnish Fluorescent

Available Sizes:
1220mm x 45.72m

- Key Features:
- Cast PVC
 - Up to 5 year durability
 - Internal, external use
 - 80 micron
 - White, permanent adhesive

Products:





VION fluorescent films are designed to enhance the visibility of signs, graphics and vehicle markings, especially during low light hours.

Formulated to give increased colour durability for longer outdoor use and suitable for Chapter 8 chevron kits.

- Available Sizes:
610mm/1220mm x 45.72m
- Key Features:
- Polymeric Calendered PVC
 - Up to 3 years durability
 - External use
 - 160 micron
 - High tack permanent adhesive

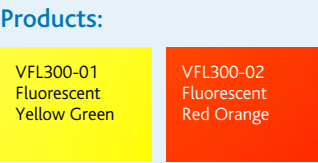
Application Temperature (°C) +15°C minimum

Applications Signage, Graphics, High Visibility Vehicle Markings

Surface type Flat

Adhesive Type Pressure-sensitive

Film Finish Fluorescent



An enclosed lens retro reflective tape used to highlight hazards and danger areas around industrial facilities, factories, warehouses, chemical and engineering works.

Available in (red and white) and (black and white) options.

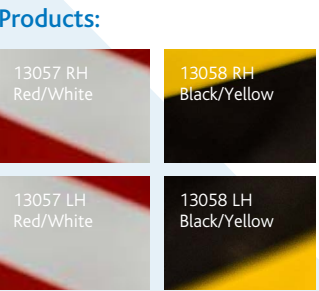
- Available Sizes:
100m x 25m
- Key Features:
- Retro reflective
 - Up to 3 year durability
 - Internal, external use
 - 152 micron
 - White, permanent adhesive

Applications Buildings

Surface type Flat

Adhesive Type Pressure-sensitive

Film Finish Reflective



HAZARD WARNING TAPE



VION Safety Track Hazard Tape

An anti-slip black and yellow hazard warning tape with aggressive adhesive. Perfect for highlighting danger or areas requiring extra caution both indoors and out including, scaffolds, steps, ramps, manufacturing environments and walkways.

The tape is also ideal for providing visual contrast on stairs.

Applications Floors, Stairs, Scaffolds

Surface type Flat

Adhesive Type Self adhesive

Film Finish Matt

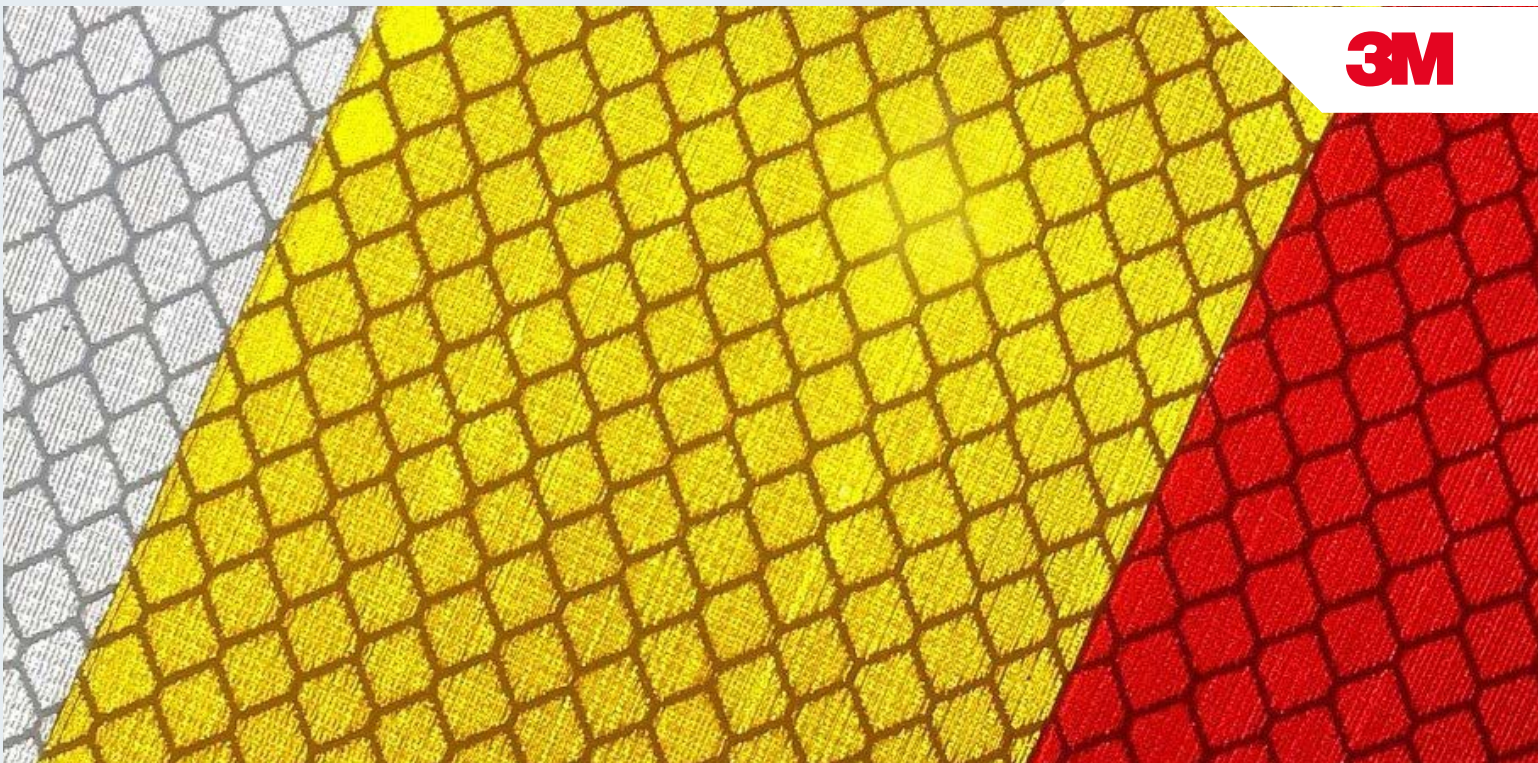
Available Sizes:
50mm x 18.3m

- Key Features:**
- Heavy duty safety marking tape
 - Internal and external use
 - Grey permanent adhesive

Products:



VEHICLE CONSPICUITY TAPE



3M™ DG Conspicuity Markings Series 980

Chapter 8 compliant, these high visibility safety marking tapes are used for applications onto the rear, sides and front of all emergency service and rigid bodied vehicles.

Due to the high visibility the markings help to protect workers and increase driver safety.

Application Temperature (°C) +10°C minimum

Applications Vehicles

Surface type Flat

Adhesive Type Pressure-sensitive

Film Finish Reflective

Available Sizes:
25mm/37.5mm/50mm/75mm/100mm
150mm x 45.72m

- Key Features:**
- Prismatic
 - Up to 7 year durability
 - External use
 - 380 micron
 - White, permanent adhesive

Products:



VEHICLE CONSPICUITY TAPE



3M™ DG Conspicuity Markings Series 983

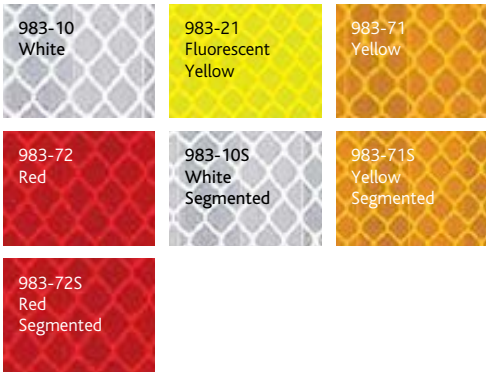
This high visibility marking tape is designed for application onto rigid and stainless-steel substrates making them perfect for heavy goods vehicles. Easy to apply, resistant to peeling and other damage, making them retain their brightness and colour even in the harshest working conditions.

Suitable for markings under ECE104, meaning they are the brightest markings permitted by regulations.

- Application Temperature (°C)** +10°C minimum
- Applications** Vehicles
- Surface type** Flat
- Adhesive Type** Pressure-sensitive
- Film Finish** Reflective

- Available Sizes:**
53.5mm x 12.5m/25m/50m
- Key Features:**
- Prismatic
 - Up to 8 year durability
 - External use
 - 360 micron
 - White, permanent adhesive

Products:



VEHICLE CONSPICUITY TAPE



3M™ DG Conspicuity Markings Series 9900

A high performance retroreflective high visibility tape, with assured seal for marking emergency service vehicles, van, trailers and recovery vehicles.

Diamond Grade 3 provides exceptional brightness, from the use of 100% full cube corners and available in a range of colours.

- Application Temperature (°C)** +10°C minimum
- Applications** Vehicles
- Surface type** Flat
- Adhesive Type** Pressure-sensitive
- Film Finish** Reflective

- Available Sizes:**
25mm/50mm/150mm x 45.72m
- Key Features:**
- Prismatic
 - Up to 10 year durability
 - External use
 - 430 micron
 - White, permanent adhesive

Products:





3M™ Metalised Conspicuity Markings Series 943

A highly bright retroreflective marking tape for use on rigid-sided vehicles, offering wide reflective angularity, easy to apply and remove and are resistant to peeling and other damage, ECE104 Compliant.

Constructed for enhanced durability these tapes retain their colour, appearance and brightness and are available in Red, White and Yellow.

- Application Temperature (°C)** +10°C - 30°C
- Applications** Rigid sided vehicles; aluminium, stainless steel
- Surface type** Flat
- Adhesive Type** Pressure-sensitive
- Film Finish** Reflective

Available Sizes:
51mm x 12.5/20/50m

Key Features:

- Metalised tape
- Up to 5 year durability
- External Use
- Clear, permanent adhesive



3M™ POF 1140 Series Clear

Protective overlay films can be used to protect EGP sign faces against damage and deterioration due to natural and man-made causes.

Durable, solvent resistant transparent sheeting, pre-coated with pressure sensitive adhesive for easy application.

- Application Temperature (°C)** +16°C minimum
- Applications** Traffic Signs
- Surface type** Flat
- Adhesive Type** Pressure-sensitive
- Film Finish** Gloss

Available Sizes:
1220mm x 45.72m

Key Features:

- Protective Overlay Films
- Up to 7 year durability
- External use
- White, permanent adhesive

Products:
1140 Transparent



3M™ POF 1160 Series Clear

A high-performance anti-fly posting protective transparent overlay film for use on traffic signs made from 3M sheeting. Protecting against damage and deterioration due to natural and man-made causes.

Series 1160 has a specially treated surface that is resistant to adhesives as well as paints and marker pens.

Application Temperature (°C) +16°C minimum

Applications Traffic Signs

Surface type Flat

Adhesive Type Pressure-sensitive

Film Finish Gloss

Available Sizes:
915mm/1220mm x 45.72m

Key Features:

- Protective Overlay Films
- Up to 12 year durability
- External use
- Clear, permanent adhesive

Products:

1160 Transparent
1160A Transparent No Premask



3M™ Electrocut Film 1170 Series Coloured

A coloured overlay film used to create coloured backgrounds, panels, texts and symbols on traffic signage making it perfect for street name signs and other traffic control signs.

A cost effective and highly efficient alternative to screen printing and available in a wide range of colours.

Application Temperature (°C) +16°C minimum

Applications Traffic Signs

Surface type Flat

Adhesive Type Pressure-sensitive

Film Finish Gloss

Available Sizes*:
610mm/760mm/915mm/
1220mm x 45.72m
*please note not all colours are available in all roll sizes,
please check with sales office for availability

Key Features:

- Coloured Overlay Films
- Up to 12 year durability
- External use
- Clear, permanent adhesive

Products:

1170 Transparent

1171 Yellow	1172 Red	1175 Blue
1176 Worboys Green	1177 Interstate Green	1179 Brown



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