ORAFOL®

Reflective Solutions

ORALITE®

Engineered to Save Lives™

Technology, quality & service

Engineered to Save Lives™
As one of the world's leading manufacturers of reflective materials, the ORAFOL Group earned its reputation for global excellence through its dedication to ingenuity, quality and service. When it comes to supplying products for the traffic control industry, we work each day with a dedication grounded by our knowledge that the quality of our products helps to save lives.

ORAFOL's dedication to quality and service is reflected in every aspect of the business. From research and development to product delivery and customer service, our commitment to excellence through people, processes and technology is unparalleled.

At the core of our excellence is our dedicated team. Around the globe, ORAFOL employees represent the industry's brightest and most innovative experts who are committed to focusing on customer needs with a stringent dedication to continuous improvement and process control.

Within a supportive environment, employees are encouraged to partner with customers to develop and produce the most innovative solutions to meet customer needs, whether they are standard or customised products.

Our teams are supported with a framework of an integrated management system which combines both ISO 9001 and ISO 14001 to ensure consistency of process and quality, while protecting our environment.

Of course, people and processes must be supported by the most advanced tools. Our investments in the latest facilities, technology for research and development, custom manufacturing equipment, process control and delivery logistics systems ensure our status as a market leader.

A commitment to excellence extends beyond the walls of our facilities. Our suppliers are a critical component of our ability to provide our customers with exactly what they need and when they need it. All suppliers are required to adhere to ORAFOL's strict standards for perfect quality and on-time delivery.

ORAFOL's Worldwide Locations

Head Office
Oranienburg, Germany

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Reflective Solutions

Find the right solution for your needs

ORAFOL offers an extensive product range of reflective solutions which includes all grades in both prismatic and glass bead technologies.

ORAFOL Australia Pty Ltd, Brisbane facility

Traffic Signs and Work Zones

Brilliant Grade

ORALITE® 6910

For traffic signs for long-term outdoor exposure

ORALITE®

CE

Product benefits include:

· High prismatic brightness
· Surface of high performance acrylic film
· Compliance to AS/NZS 1906.1 Class 1W
· Weatherproof
· ORALITE® 6910 is CE-certified
· 12 years outdoor durability**

· Available in fluorescent colours for enhanced daytime visibility
· Excellent printability
· Lettering Film: We recommend ORALITE® 5081
· Transparent and black Film: We recommend ORALITE® 5061

Product Identification pattern
for ORALITE® Brilliant Grade

Product	Colour range	Printing	Roll sizes	Outdoor durability
ORALITE® 6910	White, yellow, orange, red, green, blue, brown, fluorescent yellow, fluorescent yellow-green, fluorescent orange	Screen Printing (ink: ORALITE® 5018) UV Digital Printing (ink: ORALITE® 5019)	1235mm x 50m	12 Years**

Please Note: ORALITE® 6910 Brilliant grade is supplied with a watermark. The product is exclusively intended for adhesion to even surfaces.

** Non-fluorescent colours only

Sample colours

| White* | Yellow* | Orange* | Red* | Green* | Blue* | Brown* | Fluorescent yellow* | Fluorescent yellow-green* | Fluorescent orange* |

Colours may not be a 100% colour match of the actual material.

Photo for illustrative purposes only

High Intensity Prismatic (HIP) Grade

ORALITE® 5910

For long term outdoor applications

ORALITE®

CE

Product benefits include:

· High prismatic brightness
· Weatherproof
· Surface of high performance acrylic film
· Compliance to AS/NZS 1906.1 Class 1W
· ORALITE® 5910 is CE-certified
· Excellent printability

· Transparent and black Film: We recommend ORALITE® 5061
· 10 years outdoor durability**

Product Identification pattern
for ORALITE® Prismtatic HIP Grade

Product	Colour range	Printing	Roll sizes	Outdoor durability
ORALITE® 5910	White, yellow, orange, red, green, blue, brown	Screen Printing (ink: ORALITE® 5018) UV Digital Printing (ink: ORALITE® 5019)	1235mm x 50m	10 Years

Please Note: ORALITE® 5910 is supplied with a watermark. The product is exclusively intended for adhesion to even surfaces.
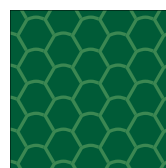
Sample colours
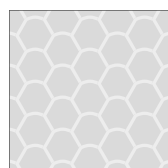
| White* | Yellow* | Orange* | Red* | Green* | Blue* | Brown* |

Colours may not be a 100% colour match of the actual material.

Traffic Signs and Work Zones

High Intensity Prismatic (HIP) Construction Grade

ORALITE® 5960

**Prismatic reflective film designed for short and medium term outdoor applications**

Product benefits include:

· UV stabilised acrylic film
· Compliance to AS/NZS 1906.1 Class 1W
· Excellent corrosion and solvent resistance
· Weatherproof
· 5 years outdoor durability

· Lettering Film: ORALITE® 5081
· Transparent Film: We recommend ORALITE® 5061 or ORALITE® 5051
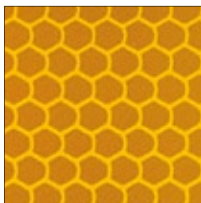· Adhesion to a wide variety of substrates

Product	Colour range	Printing	Roll sizes	Outdoor durability
ORALITE® 5960	White yellow fluorescent orange fluorescent yellow-green	Ink-jet and screen printing	1235mm x 50m	5 Years

Please Note: Strictly intended for adhesion onto even surfaces
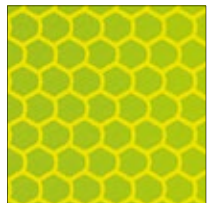
Sample colours
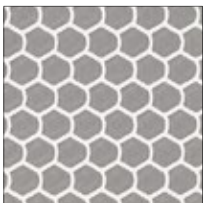
White*

Yellow*

Fluorescent orange*

Fluorescent yellow-green*

Colours may not be a 100% colour match of the actual material.

UV Traffic Signs Printer

The UV digital printing system is an environmentally friendly alternative to the screen printing technology. It is ideal especially for smaller production runs as well as for production of signs with variable information, directions and other information that may require only a quantity of one or two signs.

ORALITE® UV Traffic Sign Printer

The ORALITE® UV traffic sign printer is based on the AGFA UV printer Anapurna M 2050 / M 2050 i and of the CE certified ORALITE® 5019 UV digital printing inks. The following CE certified ORALITE® retroreflective films both for temporary and permanent applications can be printed by the ORALITE® UV digital printing system:

· ORALITE® 5510 Engineer Grade
· ORALITE® 5710 Engineer Grade Premium
· ORALITE® 5810 High Intensity Grade
· ORALITE® 5910 High Intensity Prismatic Grade
· ORALITE® 5960 High Intensity Prismatic Construction Grade
· ORALITE® 6910 Brilliant Grade

Compared with the current solutions for the production of traffic control and guidance signs available in the market, the optimised ORALITE® UV digital printing system is characterised by the following features:
· proven and reliable print head technology made by the market leader Konika Minolta

· six print heads 12 pl for printing the basic traffic colours
· additionally two print heads 42 pl for special applications (e.g. clear coat for temporary traffic signs without additional transparent film laminations, white, opaque, etc.)
· optional colour mixes also for graphic applications are possible (e.g. dark green, grey)
· space-saving, stable and reliable hybrid solution for the processing of plates up to 4,5 cm thickness as well as of materials in rolls (roll-to-roll)
· printing speed comparable to existing systems in the market while offering a higher resolution, more detailed drawings and highest production safety.

A comprehensive, worldwide service system ensures the performance and efficiency of the ORALITE® UV digital printing system for the manufacture of traffic and control signs on the basis of ORALITE® retroreflective films.

Contact ORAFOL for more information about the ORALITE® UV Traffic Sign Printer system.
austsales@orafol.com

Products in this range include:

ORALITE®

Traffic Signs and Work Zones

High Intensity Grade
ORALITE® 5810

Long term outdoor applications

ORALITE®

CE

Product benefits include:
· High performance acrylic film
· Encapsulated Glass Bead construction
· Weatherproof
· ORALITE® 5810 is CE-certified
· Compliance to AS/NZS 1906.1 Class 1
· Excellent printability
· Excellent adhesion to metallic surfaces (e.g. aluminium and galvanised steel)
· Transparent and black Film: We recommend ORALITE® 5061

Product	Colour range	Printing	Roll sizes	Outdoor durability
ORALITE® 5810	White, yellow	Ink-jet and screen printing UV printing	1235mm x 50m	10 Years

Please Note: Strictly intended for adhesion onto even surfaces

Engineer Grade Premium
ORALITE® 5710

Long term outdoor applications

ORALITE®

CE

Product benefits include:
· Reflectivity exceeds 100 cd/(lx*m²) at 0,2° / 5° (for white colour)
· Compliance to AS/NZS 1906.1 Class 2
· Alkyd resin surface
· Weatherproof
· ORALITE® 5710 is CE-certified
· Excellent printability
· Excellent adhesion to metallic surfaces (e.g. aluminium and galvanised steel)
· Lettering Film: We recommend ORALITE® 5081 Black / Transparent Film: We recommend ORALITE® 5051

Product	Colour range	Printing	Roll sizes	Outdoor durability
ORALITE® 5710 **PREMIUM**	White, yellow	Screen printing UV printing	1235mm x 50m	7 Years

Please Note: Strictly intended for adhesion onto even surfaces

ORALITE® 5710 **Engineer Grade Premium** application

ORALITE® 5810 **High Intensity Grade** application

ORALITE® 5400 **Commercial Grade** application

Commercial Grade
ORALITE® 5400
Medium term outdoor applications

ORALITE®

Product benefits include:
· Cast PVC film
· Weatherproof
· Meets AS/NZS 1906.1 Class 2
· Excellent printability for both Ink-jet and screen printing Inks
· High resistance to corrosion and solvents
· Excellent cutting properties
· Excellent adhesion to metallic surfaces (e.g. aluminium and galvanised steel)
· Good adaptability to uneven surfaces

Product	Colour range	Printing	Roll sizes	Outdoor durability
ORALITE® 5400	White, yellow red, blue	Ink-jet and screen printing	1235mm x 50m	3 to 4 Years

Please Note: Strictly intended for adhesion onto even surfaces

Sample colours

O10 White*	O20 Yellow*	O30 Red*	O50 Blue*

Colours may not be a 100% colour match of the actual material.

Ecomomy Grade
ORALITE® 5200
For sign boards, lettering, markings, symbols and graphic applications

ORALITE®

Product benefits include:
· Cast PVC polymer blend surface
· Short term outdoor use
· When a minimal degree of reflectivity is needed
· Weatherproof
· Flexible
· Excellent printability for both Ink-jet and screen printing inks
· Excellent adhesion to metallic surfaces (e.g. aluminium and galvanised steel)

Product	Colour range	Printing	Roll sizes	Outdoor durability
ORALITE® 5200	White, yellow	Ink-jet and screen printing	1235mm x 50m	1 to 2 Years

Please Note: Strictly intended for adhesion onto even surfaces

Traffic Signs and Work Zones

Lettering Films
ORALITE® 5081 / 5051

ORALITE®

Product	Colour range	Recommended for use on	Material	Outdoor durability
ORALITE® 5081	Black (Gloss+Matt)	High Intensity Prismatic Grade High Intensity Grade	High performance cast PVC film	5 to 7 Years
ORALITE® 5051	Clear, red, blue, green	Temporary Signs Vehicle Markings HIP Construction Grade Engineer Grade Premium	High performance cast PVC film	5 to 7 Years

Please Note: ORALITE®5051 Ensures compliance with the minimum reflective values and colour coordinates of AS/NZS 1906.1

Transparent Film
ORALITE® 5061

ORALITE®

Product	Colour range	Recommended for use on	Material	Outdoor durability
ORALITE® 5061*	Clear, red, blue, green, black	Brilliant Grade High Intensity Prismatic Grade High Intensity Grade	High performance acrylic film	10 Years

Please Note: ORALITE 5061 Ensures compliance with the minimum reflective values and colour coordinates of AS/NZS 1906.1

*The film is approved for application on CE certified ORALITE® films

Roll Up Signs
ORALITE® 2018 / 2051 / 2056 / 5946

ORALITE®

Product	Colour Range	Description	Standards	Application
ORALITE® 2018 Highbright	White, yellow, blue, red, fluorescent lime, fluorescent pink, fluorescent red, fluorescent green	High performance vinyl film RF welded to a reinforced scrim backing. Custom panels made to order	AS/NZS 1906.1 Class 1 & Class 1W	For use in temporary work zone, construction, and emergency applications.
ORALITE® 2051 Superbright	Fluorescent orange	High performance Fluorescent vinyl film RF welded to a reinforced scrim backing. Custom panels made to order	AS/NZS 1906.1 Class 1 & Class 1W	For use in temporary work zone, construction, and emergency applications.
ORALITE® 2056 Marathon	Fluorescent orange	Long life fluorescent vinyl film RF welded to a reinforced scrim backing. Custom panels made to order	AS/NZS 1906.1 Class 1 & Class 1W	For use in temporary work zone, construction, and emergency applications.
ORALITE® 5946	White, yellow, fluorescent orange, fluorescent yellow-green	High performance microprismatic structures are to the rear of a translucent PVC top film which is bonded to a reinforced scrim backing. Sold only in rolls of 1235mm	AS/NZS 1906.1 Class 1	For use in temporary work zone, construction, and emergency applications.

Please Note: Printing and symbols are for display purposes only. Roll up signs are sold as blanks

Cone Collars
ORALITE® 2018

ORALITE® High Performance Cone Collars are made of a tough, weather-resistant, highly reflective microprismatic retroreflective sheeting. **ORALITE®** cone collars are manufactured in configurations to meet a wide variety of specifications and cone sizes.

Product benefits include:

· Highly durable and Impact resistant
· Complies to AS/NZ 1906.1 Class 1 and Class 1W (WZ)
· Excellent visibility at great distances
· Excellent wide angle performance

· Solvent resistant
· Easily wiped clean
· Can be removable for temporary use, or made permanent
· Slip on design

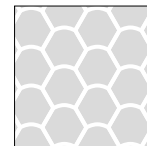| Product	Colour range	Sizes	Standards
ORALITE® 2018 White Highbright	White	450mm Cone – 150mm Collar 700mm Cone – 250mm Collar 900mm Cone – 250mm Collar NZ 900mm Cone – 100 and 150mm Twin Collar	AS/NZS 1906.1 Class 1 (WZ) AS/NZS 1906.1 Class 1W (WZ)

Prismatic Construction Grade
ORALITE® 5930

For Cone Collars and Bollard Sleeves

ORALITE® retroreflective series 5930 Prismatic Construction Grade films are flexible, highly reflective, weatherproof, self-adhesive films with excellent corrosion and solvent resistance. The product was developed for the manufacture of temporary traffic control, guidance, warning, construction work zones.

Product benefits include:

· Highly reflective prismatic film
· Excellent visibility at great distances
· Excellent wide angle performance
· Surface of special treated PVC film

· Computer cut to shapes
· Pressure sensitive adhesive
· Excellent adhesion to polyolefinic substrates

Product Identification pattern for ORALITE® 5930

Product	Colour range	Sizes	Standards
ORALITE® 5930	White	450mm Cone – 150mm Collar 700mm Cone – 250mm Collar 900mm Cone – 250mm Collar 1000mm Bollard – 250mm Collar NZ 900mm Cone – 100 and 150mm Twin Collar	AS/NZS 1906.1 Class 1 (WZ) AS/NZS 1906.1 Class 1W (WZ)

Typical application examples for ORALITE® 2018 cone collars & ORALITE® 5930 construction grade cone collars

Vehicle Conspicuity

Every day, emergency services vehicles are on the roadways protecting or helping people. Visibility of those vehicles is a critical factor in the safety of motorists and the public servants operating in or near the vehicles. It is especially critical during emergency situations where traffic may be required to stop or change course unexpectedly.

That's why ORAFOL offers only the highest performance reflective materials for marking and graphics applications for EMS fleet livery. Because of these materials' quality, durability and ease of application, they have become the preferred choice for many of the largest police and ambulance services around the world.

Products in this range include:

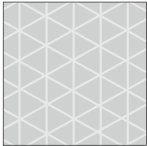ORALITE®

Vehicle Conspicuity

Prismatic flexible livery film – for easy application even onto curved surfaces

ORALITE® VC 612 Flexibright™

ORALITE®

Product benefits include:

· PVC construction

· Prismatic reflective performance

· Very high brightness

· Meets AS/NZS 1906.1 Class 1 colour and
  reflective requirements

· Unique handling

· User friendly application, no edge sealing

· Engineered to conform to demands of vehicle shapes

· Flexible – great for application onto curved surfaces
  e.g. motorbikes

· Easy to cut and no edge sealing required

· Withstands power washes

· Potential single piece removability

· Templates require fewer pieces

· Available in 7 colours, including fluorescent

· Self adhesive backing

Product identification
pattern for VC 612 Flexibright

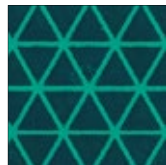| Product	Colour range	Roll sizes	Typical Duarbility
ORALITE® VC 612 Flexibright™	White, yellow, blue, green, red, fluorescent lime, fluorescent orange	775mm x 45.7m Custom widths available	Non-fluorescent colours: 5 years fluorescent colours: 3 to 5 years (depending on geographical region)

Sample colours

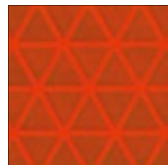| 15 Silver / White* | 18 Yellow* | 12 Red* | 27 Green* | 23 Blue* | 20 Fl. Lime* | 24 Fl. Orange* |

Colours may not be a 100% colour match of the actual material.

ORALITE® VC 312 Daybright® and
VC 612 Flexibright™ application

ORALITE® VC 612 Flexibright™ application

ORALITE® VC 612 Flexibright™ application

Vehicle Conspicuity

Prismatic flexible livery film – Your classic film for high visibility livery

ORALITE® VC 312 Daybright®

ORALITE®

Product benefits include:

· Polyester construction
· Very high brightness
· Meets AS/NZS 1906.1 Class 1 colour and
  reflective requirements
· Easy to cut and apply
· Wide angle performance

· Available in 5 colours
· No edge sealing required
· Withstands repeated power washes
· Easy accident damage repair
· Self adhesive backing
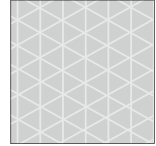
Product identification pattern for VC 312

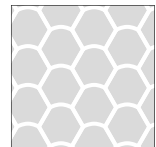| Product	Colour range	Roll sizes	Typical Durability
ORALITE® VC 312 Daybright®	White, red, yellow, blue, green	775mm x 45.7m Custom widths available	7 years

Prismatic Construction Grade

ORALITE® 5930

ORALITE®

For Vehicle Livery Applications

ORALITE® 5930 retroreflective sheetings and tape are flexible, highly reflective, weatherproof, self-adhesive films with excellent corrosion and solvent resistance. ORALITE® 5930 exceeds the minimum performance requirements of ASNZ 1906.1 class 1 and class 1W when measured in new condition.

Product benefits include:

· Highly reflective prismatic film
· Surface of special treated PVC film
· Fluorescent colours available for enhanced
  daytime visibility
· Excellent solvent and corrosion resistance

· Compliance to AS/NZS 1906.1 Class 1 and Class 1W
· Lettering Film: We recommend ORALITE® 5051
  Lettering Film
· Excellent printability

Product Identification pattern for ORALITE® 5930

Product	Colour range	Roll sizes	Typical Durability
ORALITE® 5930	White, yellow, fluorescent yellow, fluorescent yellow-green, fluorescent orange	1235mm x 50m 1235mm x 25m	3 to 5 years

Prismatic Construction Grade

ORALITE® 5931

ORALITE®

For Vehicle Livery Applications

Product benefits include:

· Highly reflective prismatic film
· Surface of special treated PVC film
· Meets AS/NZS 1906.1 Class 1

· Weatherproof
· Excellent solvent and corrosion resistance

Product Identification pattern for ORALITE® 5931

Product	Colour range	Roll sizes	Outdoor durability
ORALITE® 5931	White/red yellow/black	50mm x 50m 75mm x 50m 100mm x 50m 150mm x 50m 200mm x 50m	3 to 5 Years

"

Visible vehicles means safety on the move.

Fleet Engineering Grade Reflective Film

ORALITE® 5650RA

ORALITE®

RapidAir® Technology is designed to make fleet applications easier by reducing the incidence of bubbles, ORALITE® 5650RA series is ideal for vehicle applications over flat surfaces, rivets and simple curves.

Product benefits include:

· Glass bead reflective performance
· High degree of flexibility
· Easy to apply, with good adaptability for uneven surfaces
· Easy removal from painted surfaces (Using Heat)

· Easy to use on plotters
· Compatible with popular latex, solvent, eco-solvent & UV curable printers
· 5 year outdoor durability (Unprinted)
· With *RapidAir*® for easy application.

Product	Colour range	Roll sizes	Typical Durability
ORALITE® 5650RA	White Other colours available by Indent	1220mm x 50m	5 years

Typical application examples for the ORALITE® 5650RA Fleet Engineering grade

Trucks & Trailers

For application onto rigid surfaces

ORALITE® VC 104+ Rigid Grade

Product benefits include:
· Approved to Regulation ECE 104 class C
· Outstanding long distance night time visibility
· Easy to handle and apply
· No edge sealing required
· Easy to cut
· Polyester construction means no cracking
· Resistant to power washing
· Highly resistant to most industrial cleaning processes
· Single layer prismatic construction with adhesive backing
· Emark: ORALITE-C-E4-104R 00 0001
· Self adhesive backing
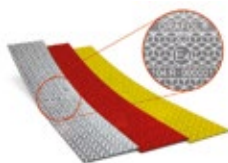
Great Products in Great Looking Packaging!

Product	Colour range	Roll sizes	Warranty
ORALITE® VC 104+ Rigid Grade	Yellow, white, red	50mm x 50m	10 years

Please note: The emark is permanently marked in the tape for every 27.5cm

Prismatic reflective livery film for extreme brightness

ORALITE® VC 310/D82/V82

ORALITE®

Product benefits include:

· Prismatic reflective performance
· Polyester Construction
· Compliance to AS/NZS 1906.1 Class 1
· Compliance to AS/NZS 1906.1 Class 1A
· Best long distance visibility on the market

· Conformable, easy to cut and apply
· No edge sealing required
· Withstands repeated power washes
· Easy to repair if damaged
· Self adhesive backing
· Custom slitting

V82 DOT-C2 Red/Silver Block

Product	Colour range	Roll sizes	Warranty
ORALITE® VC 310/D82 Durabright®	Silver, red, yellow, blue, green, 45˚ red/silver and yellow/red	50mm x 45.7m 100mm x 45.7m 150mm x 45.7m 775mm x 45.7m	7 years
ORALITE® V82 DOT-C2	Red/silver block	50mm x 45.7m 100mm x 45.7m 150mm x 45.7m 775mm x 45.7m	7 years

Sample colours
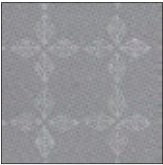
| 15 Silver* | 18 Yellow* | 12 Red* | 27 Green* | 23 Blue* |

Colours may not be a 100% colour match of the actual material.

ORALITE® VC 104+ Rigid Grade Application

ORALITE® V82 DOT-C2
Red / Silver Block Application

ORALITE® VC 104+ Rigid Grade Application

ORALITE® VC 30710+

Prismatic chevron printed livery film

ORALITE®

Product benefits include:

· Prismatic reflective performance – very high brightness
· Polyester Construction
· Compliance to AS/NZS 1906.1 Class 1
· Conformable; easy to cut and apply
· No edge sealing required
· Withstands power washing

· Wide angle performance
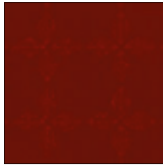· Easy to repair if damaged
· Subsurface printing
· Self adhesive backing
· Available in both a left and a right version
· Custom slitting

Product identification pattern for VC 30710+

Product	Colour range	Roll sizes	Warranty
ORALITE® VC 30710+	White/red	50mm x 45.7 m 100mm x 45.7m 150mm x 45.7m 775mm x 45.7m	7 years

Construction Grade
ORALITE® 5431

ORALITE®

Product benefits include:

· Cast PVC film
· Highly flexible reflective film
· Weatherproof
· Meets AS/NZS 1906.1 Class 2
· Ideal for hazard warning and construction site markings
· Adhesive: solvent Polyacrylate, permanent, high tack
· Ideal for applications onto Polyolefinic surfaces
· Available in white - red, yellow - black
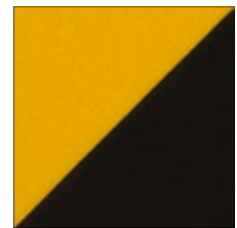
White/red

Yellow/black

Product	Colour range	Roll sizes	Typical Durability
ORALITE® 5431	White/red Yellow/black	50mm x 25m 75mm x 25m 100mm x 25m	3 to 4 years

Personal Safety

ORAFOL® products for the workwear industry are designed and made to withstand the harsh demands of workers including:

· Utility workers
· Roadway construction crews
· Police officers & roadway emergency first responders
· Survey crews
· Crossing guards
· Railway workers
· Airline personnel
· Fire fighters

Our wide range of reflective trims provides high visibility for workers where increased visibility is vital to stay safe and be seen. Whether you prefer glass bead or microprismatic material, or even if your application must withstand industrial washes, all of our products meet or exceed AS/NZS 1906.4 Class R.

ORAFOL® high visibility garment trims enable rapid identification of first responders at an emergency management scene. Instantaneous identification at an emergency scene is valuable to both the public and first responder's safety.

We offer personal safety products that reflect their daytime colour, maintain performance when wet, resist dirt and continue to perform even in the face of the most abrasive work site elements.

Products in this range include:

ORALITE®

Personal Safety

AS/NZS 1906.4 Class R Compliant

ORALITE® GP 011 / GP 030 / GP 090
GP 092 / GP 095 / GP 097 / FTP 300

ORALITE®

The simplest reflector is a glass sphere, also known as glass bead technology. In a glass bead system, light strikes the back surface of the bead and is returned to the source. Glass bead systems maintain their reflectivity over a wide range of lighting angles. They are a popular, economical alternative to microprismatic technology.

Our glass bead tapes are approved to AS/NZS 1906.4 Class R requirements. The range includes tapes for common frequently washed garments, that require high visibility. There are also different tapes available for working in the rain, as well as tapes that require heat, flame and ARC resistance.

Product benefits include:
· Compliance to AS/NZS 1906.4 Class R
· Cost effective alternative to microprismatic tapes
· Silver glass bead construction
· Washing: Approved according to domestic wash,
  ISO 6330:2000, Method 2A

ORALITE® FTP 300

GP 011   GP 030   GP 090   GP 095

Product	Colour	Backing	Roll Size	Washing	Application
ORALITE® GP 011	Silver	Polyester/cotton	50mm x 100m	30 cycles at 60° C	Standard wash
ORALITE® GP 030	Silver	FR treated Polyester/cotton	50mm x 50m	50 cycles at 60° C	Standard wash FR, Arc resistant
ORALITE® GP 090	Silver	Polyester/cotton	25mm x 100m 50mm x 100m	50 cycles at 75° C Tumble Dry @ 90° C Tunnel Dry @155° C inlet temperature	Industrial wash
ORALITE® GP 092	Silver	Heat applied	50mm x 100m	50 cycles at 75° C Tumble Dry @ 90° C Tunnel Dry @155° C inlet temperature	Industrial wash
ORALITE® GP 092S	Silver	Heat applied segmented	50mm x 100m	50 cycles at 75° C Tumble Dry @ 90° C Tunnel Dry @155° C inlet temperature	Industrial wash
ORALITE® GP 095	Silver	100% Aramid Fabric backing	25mm x 50m 50mm x 50m	50 cycles at 75° C Tumble Dry @ 90° C Tunnel Dry @155° C inlet temperature	Industrial wash FR, Arc resistant
ORALITE® GP 097	Silver	FR treated/Heat applied	50mm x 100m	* 50 cycles at 60° C ** 50 cycles at 75° C +Tumble Dry or 50 cycles at 75° C + Tunnel Dry inlet temperature.	Industrial Wash FR
ORALITE® GP 097S	Silver	FR treated/Heat applied segmented	50mm x 100m	*50 cycles at 60° C **50 cycles at 75° C +Tumble Dry or 50 cycles at 75° C + Tunnel Dry inlet temperature.	Industrial Wash FR
ORALITE® FTP 300	Yellow/green - silver	FR Treated Cotton	50mm x 100m 75mm x 100m	40 cycles at 60° C	Standard wash FR

*) as per ISO 6330:2012, Method 6N   ****) as per ISO 15797:2002, Method 8**

ORAFOL has a wide range of reflective tapes suitable for every work environment

Personal Safety

Metallised microprismatic tape for high visibility emergency services garments

ORALITE® GP 801

These products exceed the highest reflectivity of AS/NZS 1906.4 Class R

Product benefits include:

· High performance microprismatic tape
· Subsurface printed compliant checker
· Superior and durable performance
· Reflects in all weather conditions
· Superior long distance visibility

· Slim and flexible to move with jacket
· Washing: according to domestic wash, ISO 6330:2000, Method 2A
· Police badges available

Product	Colour	Backing	Roll size	Washing	Application
ORALITE® GP 801	Silver Checker - silver/blue - silver/red - silver/green	Textile backing for sew-on	50mm x 50m	100 cycles at 60° C	Emergency Service Apparel

Metallised microprismatic tape for high visibility garments

ORALITE® GP 440

These products exceed the highest reflectivity of AS/NZS 1906.4 Class R

Product benefits include:

· Superior performance tape in all weather conditions
· Attractive glossy surface - easy to wipe clean
· Slim and flexible to move with the garment
· Textile backing for sew-on applications
· Washing: according to domestic wash, ISO 6330:2000, Method 2A

Product	Colour	Backing	Roll size	Washing	Application
ORALITE® GP 440	Silver, Fluorescent lime	Textile backing for sew-on	50mm x 50m	100 cycles at 60° C	General apparel, kit bags, Mine safety flags

GP 801 and GP 440

High Visibility Workwear

ORALITE®

ORALITE® GP 110, GP 110 Breathable, GP 340, AU 350

These products exceed the highest reflectivity of AS/NZS 1906.4 Class R

Product benefits include:

· High performance prismatic tape
· Works when wet
· Reflects in all weather conditions
· Superior long distance visibility

· Available in vivid fluorescent colours for added visibility
· Safety without compromise
· Washing: according to domestic wash, ISO 6330:2000, Method 2A

Product	Colour range	Roll Size	Washing
ORALITE® GP 110	White, fluorescent lime	50mm x 50m	50 cycles at 65° C
ORALITE® GP 110 Breathable	White, fluorescent lime	50mm x 50m	50 cycles at 65° C
ORALITE® GP 340	White, fluorescent lime	25mm x 50m 50mm x 50m	50 cycles at 65° C
ORALITE® AU 350	Arco red	50mm x 50m	50 cycles at 65° C

ORAFOL has a wide range of reflective tapes suitable for every work environment

Marine

For the maritime and offshore industries ORAFOL offers a variety of SOLAS approved tapes for marine applications such as life jackets, inflatable lifeboats and heavy duty marine rainwear.

ORALITE® FD 1403 and FD 1404

Product benefits include:
· Microprismatic technology
· Compliance with SOLAS/IMO requirements
· Single layer construction - flexible and durable
· Brilliant long-range visibility
· Durable, superior abrasion resistance
· Waterproof
· Flexible, will easily conform to irregular or pitted surfaces
· Will survive continuous immersion in sea water and freezing temperatures
· Kiss Cut patches available

FD 1403   FD 1404

Product	Colour	Construction	Roll size	Immersion	Approval
ORALITE® FD 1403	Silver	Polyester top film fabric-backed or pressure sensitive adhesive	50mm x 45.7m	Type I - 750 hours Type 2 - 1500 hours	SOLAS/IMO European BV US Coast Guard
ORALITE® FD 1404	Silver	PVC top film pressure sensitive adhesive	50mm x 45.7m	Type I - 750 hours	SOLAS/IMO European BV

Mining and Construction

ORALITE® Mine Hanging Streamers & Droppers

ORALITE® mine hanging streamers and tags are a unique way of delineating underground roadways. Research has proven that colour and long distance visibility play a major role in safety. By making work areas more visible, we can reduce the risks of death and injury.

Product benefits include:

- Double sided: Can be seen in both directions
- Reflects colour: Colour coding for different applications
- Attach with ease: Eyelets, magnets and press studs
- Complies to AS/NZS 1906.1 Class 1
- Reinforced and non-reinforced
- Two colour combinations
- Weighted
- Computer cut lettering applied

Product	Colour range	Width	Length
Non-reinforced	White, yellow, orange, red, blue, fluorescent orange, fluorescent lime, fluorescent pink, fluorescent red, fluorescent green	25mm and 50mm	Custom lengths
Non-reinforced with plastic insert	White, yellow, orange, red, blue, fluorescent orange, fluorescent lime, fluorescent pink, fluorescent red, fluorescent green	50mm	500mm to 2m
Reinforced	Yellow, blue, fluorescent lime, fluorescent pink, fluorescent green	50mm	Custom lengths

ORALITE® Cable Patches and Tags

ORALITE® cable tie rope patches and tags are the solution to your delineation of conveyor belts and for identifying areas where colour coding is necessary.

Product benefits include:

- Brightest retroreflective technology
- Long distance visibility
- Double sided: Can be seen in both directions
- Wet performance
- Extensive range of colours
- Reflection in the colour of the tape
- Abrasion and wash resistance
- Custom made to your requirements
- Complies to AS/NZS 1906.1 Class 1

Product	Colour range	Sizes
Non-reinforced	White, yellow, orange, red, blue, fluorescent orange, fluorescent lime, fluorescent pink, fluorescent red, fluorescent green	105mm x 48mm x 5mm hole 110mm x 80mm x 5mm hole 110mm x 110mm x 5mm hole 180mm x 95mm x 5mm hole 180mm x 95mm x 22mm hole 160mm x 50mm x 22mm hole 210mm x 60mm x 22mm hole

ORALITE® Helmet Stickers Airbacked and Channeliser

ORALITE® Helmet Stickers are manufactured in both airbacked prism and metalised retroflective channeliser materials. Standard colours and sizes are available in both airbacked and channeliser products.

Product benefits include:

- Brightest retroreflective technology
- Long distance visibility
- Wet performance
- Reflection in the colour of the tape
- Custom made to your requirements
- Complies to AS/NZS 1906.1 Class 1

Product	Colour range	Sizes
ORALITE® HP Airbacked	White, fluorescent lime, fluorescent red	25mm x 100mm (16/Sheet)
ORALITE® Channeliser	White	25mm x 230mm Straight 25mm x 220mm Curved

HP Airbacked

Channeliser Application

Channeliser

ORALITE® Cone Collars

These materials are ideal for use on temporary traffic zones and demarcation of blast areas.

Product benefits include:
· Prismatic high brightness materials
· Vinyl Construction
· Wide angle performance
· Superior durability
· We offer custom sizes on request
· Custom text available
· Fluorescent colours available for added visibility during
  the day and in adverse weather conditions

Product	Colour range	Sizes	Standards
ORALITE® 2018 Highbright	White, yellow, orange, red, blue, fluorescent orange, fluorescent lime, fluorescent pink, fluorescent red, fluorescent green	150mm Collar 250mm Collar 250mm Collar 700 mm Collar Custom Sizes	AS/NZS 1906.1 Class 1

ORALITE® Picket Pockets

ORALITE® picket pockets are used in the delineation and demarcation of haul roads and intersections, blasting areas and for general site safety.

Product benefits include:
· Prismatic high brightness materials
· Vinyl construction
· Wide angle performance
· Superior durability
· We offer custom sizes on request
· Custom text available
· Fluorescent colours available for added visibility during
  the day and in adverse weather conditions

Product	Colour range	Sizes	Standards
ORALITE® 2018 Highbright	White, yellow, orange, red, blue, fluorescent orange, fluorescent lime, fluorescent pink, fluorescent red, fluorescent green	150mm x 1000mm 175mm x 600mm 175mm x 750mm 175mm x 1000mm 200mm x 750mm 200mm x 1000mm Custom Sizes	AS/NZS 1906.1 Class 1

ORALITE® Rollup Signs
2018 / 2051 / 2056 / 5946

ORALITE® uses its proprietary microprism reflective system to produce superior products in a flexible format that exceeds performance requirements of on site applications. Reflective roll up sign panels are of a much lighter weight than boxed edge signs. There are no sharp edges or corners. This improves safety factors for both the users and on site vehicles.

Product benefits include:
· Prismatic high brightness materials
· Vinyl construction
· Wide angle performance
· Superior durability
· Most systems will fold down to compact sizes.
· We offer custom sizes on request
· Fluorescent colours available for added visibility during the day and in adverse weather conditions

Product	Colour Range	Description	Standards	Application
ORALITE® 2018 Highbright	White, yellow, blue, red, fluorescent lime, fluorescent pink, fluorescent red, fluorescent green	High performance vinyl film RF welded to a reinforced scrim backing. Custom panels made to order	AS/NZS 1906.1 Class 1 & Class 1W	For use in temporary work zone, construction, and emergency applications.
ORALITE® 2051 Superbright	Fluorescent orange	High performance fluorescent vinyl film RF welded to a reinforced scrim backing. Custom panels made to order	AS/NZS 1906.1 Class 1 & Class 1W	For use in temporary work zone, construction, and emergency applications.
ORALITE® 2056 Marathon	Fluorescent orange	Long life fluorescent vinyl film RF welded to a reinforced scrim backing. Custom panels made to order	AS/NZS 1906.1 Class 1 & Class 1W	For use in temporary work zone, construction, and emergency applications.
ORALITE® 5946 Hi Intensity Grade	White, yellow, fluorescent orange, fluorescent lime	High performance microprismatic structures are to the rear of a translucent PVC top film which is bonded to a reinforced scrim backing. Sold only in rolls of 1235mm	AS/NZS 1906.1 Class 1	For use in temporary work zone, construction, and emergency applications.

Please Note: Printing and symbols are for display purposes only. Roll up signs are sold as blanks

Customisation
Create sleeves or pockets as needed, custom sizes, eyelets, magnetic, guide post and even (within limitations) produce a multi message product!

Mine Spec Vehicles

Flexible high performance prismatic film
ORALITE® VC 612 Flexibright™

Product benefits include:

- Improves driver safety
- No edge sealing
- Comformable and adaptable
- Easy to apply
- Weather proof
- Meets AS/NZS 1906.1 Class 1
- Withstands power washing

- Wide angle performance
- Highest reflective brightness
- Easy damage repair
- Solvent resistance
- Superior durability
- Fluorescent colours
- Available in widths from 25mm to 775mm

Product	Colour range	Roll sizes	Typical durability
ORALITE® VC 612 Flexibright™	White, yellow, blue, green, red, fluorescent lime, fluorescent orange	775mm x 45.7m Custom widths available	Non-fluorescent colours: 5 years Fluorescent colours: 3 to 5 years (depending on geographical region)

Prismatic Construction Grade
ORALITE® 5930

For High Visibility on Mining & Construction Sites

Product benefits include:

- Highly reflective prismatic film
- Surface of special treated PVC film
- Fluorescent colours available for enhanced daytime visibility

- Meets AS/NZS 1906.1 Class 1 and Class 1W
- Excellent printability
- Available in widths from 25mm to 1235mm

Product	Colour range	Roll sizes	Typical durability
ORALITE® 5930	White, yellow, fluorescent yellow, fluorescent yellow-green, fluorescent orange	1235mm x 50m 1235mm x 25m Custom widths available	5 Years

Colours may not be a 100% colour match of the actual material.

ORAFOL's
headquarters

Located just outside of Berlin in the heart
of Europe, the ORAFOL Europe GmbH
headquarters is the hub of the organisation's
culture of leadership and excellence.

Reflective Solutions
Engineered to Save Lives™

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