Traffic Signs and Construction Zones

Reflective Solutions

ORAFOL Europe GmbH

ORAFOL's Worldwide Locations

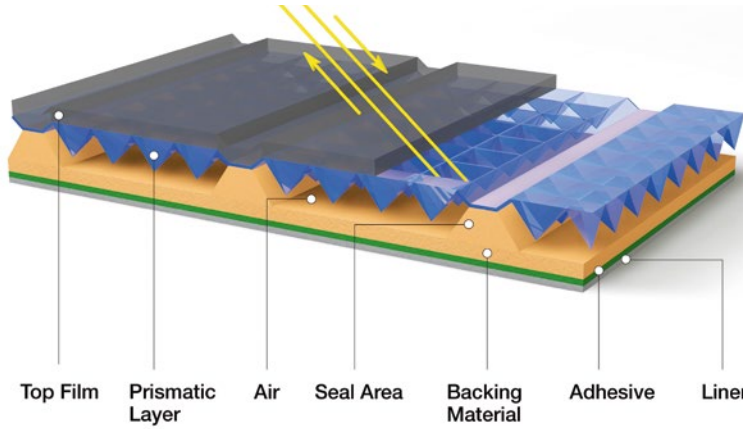**Head Office**
Oranienburg, Germany

Index
Reflective Solutions
for Traffic Signs

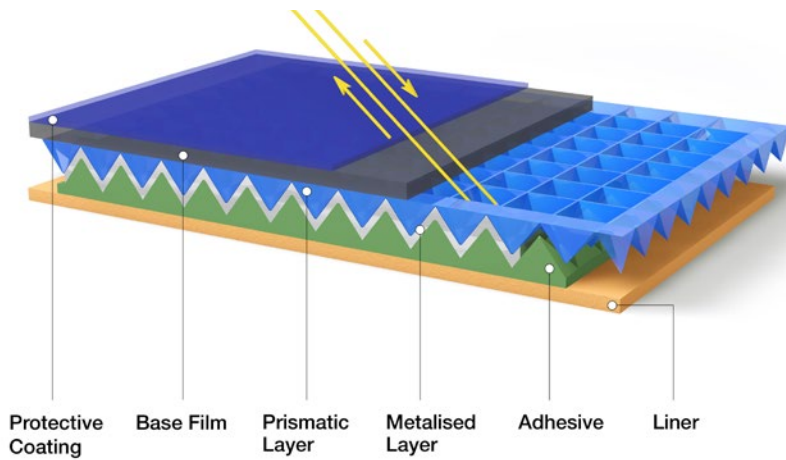**Find the right solution for your needs**

ORAFOL offers a complete product range for the manufacture of traffic signs.
The range includes all grades in both prismatic and glass bead materials.

Principles of Retroreflection

Prismatic Air-backed Construction

Top Film   Prismatic Layer   Air   Seal Area   Backing Material   Adhesive   Liner

Prismatic Metalised Construction

Protective Coating   Base Film   Prismatic Layer   Metalised Layer   Adhesive   Liner
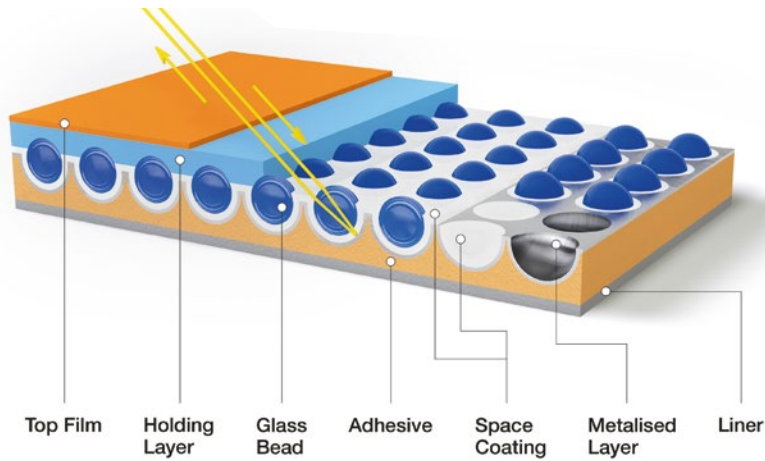
Embedded Glass Bead Construction

Top Film   Holding Layer   Glass Bead   Adhesive   Space Coating   Metalised Layer   Liner
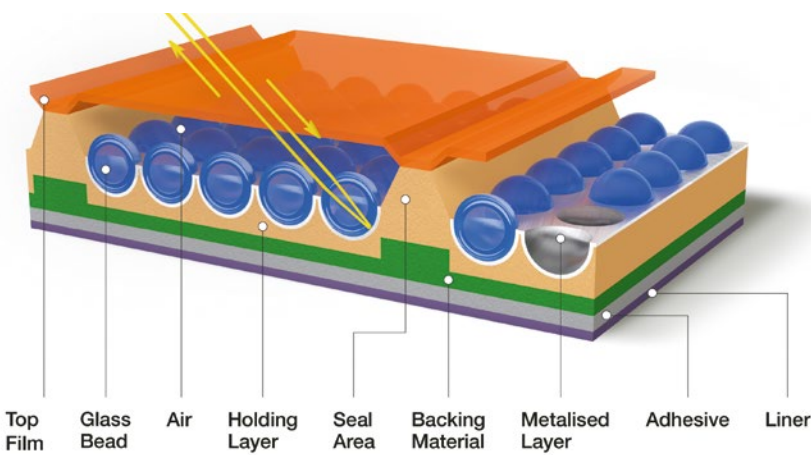
Encapsulated Glass Bead Construction

Top Film   Glass Bead   Air   Holding Layer   Seal Area   Backing Material   Metalised Layer   Adhesive   Liner

Permanent Traffic Signs – Prismatic Films

Quick Guide

Product	Class	Construction	Certification	Service Life	Standard Colours	Fluorescent Colours	Translucent
ORALITE® 6910	RA3	C	CE	12 years **			
ORALITE® 6910T	RA3B	C		12 years **			✓
ORALITE® 5910	RA2	C	CE	10 years **		*	
ORALITE® 5900	RA2	C		10 years **			
ORALITE® 6710	RA1	C	CE	7 years			

* colour 029 fluorescent yellow-green is not CE certified
** Non-fluorescent colours only

Pattern Guide
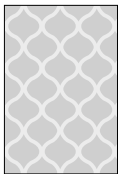
ORALITE® 6910 Brilliant Grade
ORALITE® 6910T Brilliant Grade Translucent

ORALITE® 5910 High Intensity Prismatic Grade
ORALITE® 5900 High Intensity Prismatic Grade

ORALITE® 6710 Engineer Prismatic Grade

Permanent Traffic Signs – Prismatic Films

Brilliant Grade
ORALITE® 6910

C E

For traffic signs for long-term outdoor exposure

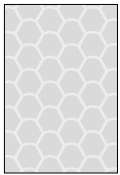### Product benefits include:

· High reflective performance
· Highest degree of weather resistance
· Up to 12 years outdoor service life**
· Available in fluorescent colours for enhanced daytime visibility
· Surface of high performance acrylic film
· Compliance to EN 12899-1, DIN 67520-4, Table 5
· ORALITE® 6910 is CE-certified
· Class RA3, design C

· Excellent printability
  · Screen printing with ORALITE® 5018
  · UV digital printing on ORALITE® UV Traffic Sign Printer, with ORALITE® 5019 Digital Printing Ink
· Lettering Film: ORALITE® 5081
· Transparent Film: ORALITE® 5061

Product	Colour range	Printing	Roll sizes	Service Life
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)	1235 mm x 50 m 610 mm x 50 m *Special widths available*	12 Years*

* Non-fluorescent colours only

Brilliant Grade Translucent
ORALITE® 6910T

NEW

Product benefits include:

· Highly transparent and with perfect light scattering
· High reflective performance
· Up to 12 years outdoor service life (10 years for fluorescent colours)
· Surface of UV stabilised acrylic front film
· Reflective properties according to DIN 67520

· Class RA3B, design C
· Excellent printability
  · screen printing with ORALITE® 5018
  · UV digital printing on ORALITE® Traffic Sign Printer, with ORALITE® 5019 Digital Printing Ink
· Transparent film: ORALITE® 5061

Product	Colour range	Printing	Roll sizes	Service Life
ORALITE® 6910T	White, yellow, fluorescent yellow, fluorescent yellow-green	Screen Printing (ink: ORALITE® 5018) UV Digital Printing (ink: ORALITE® 5019)	1235 mm x 50 m 610 mm x 50 m *Special widths available*	12 Years*

* Non-fluorescent colours only

Permanent Traffic Signs – Prismatic Films

High Intensity Prismatic (HIP) Grade
ORALITE® 5900 / 5910

CE

For long term outdoor applications

Product benefits include:

- High reflective performance
- Weather resistant
- Surface of high performance acrylic film
- Compliance to EN 12899-1
- ORALITE® 5910 is CE-certified
- Class RA2, design C

- Excellent printability (Screen printing and UV printing)
- Lettering Film: ORALITE® 5081
- Transparent Film: ORALITE® 5061

Product	Colour range	Printing	Roll sizes	Service Life
ORALITE® 5900	White, yellow, orange, red, green, blue, brown, fluorescent yellow, fluorescent yellow-green	Screen Printing (ink: ORALITE® 5018) UV Digital Printing (ink: ORALITE® 5019)	1235 mm x 50 m 610 mm x 50 m *Special widths available*	10 Years**
ORALITE® 5910	White, yellow, orange, red, green, blue, brown, fluorescent yellow, fluorescent yellow-green* *With watermark*	Screen Printing (ink: ORALITE® 5018) UV Digital Printing (ink: ORALITE® 5019)	1235 mm x 50 m 610 mm x 50 m *Special widths available*	10 Years**

* Colour 029 fluorescent yellow-green is not CE certified   ** Non-fluorescent colours only

Engineer Prismatic Grade
ORALITE® 6710

NEW

CE

Product benefits include:

- Equivalent to Engineer Grade brightness
- High degree of weather resistance
- 7 years service life
- Surface of UV stabilised acrylic
- Compliance to EN 12899-1 (R1), DIN 67520 (RA1)
- ORALITE® 6710 is CE-certified
- Class RA1, design C

- Excellent printability
  - Screen printing with ORALITE® 5018
  - UV digital printing on ORALITE® Traffic Sign Printer, with ORALITE® 5019 Digital Printing Ink

Product	Colour range	Printing	Roll sizes	Service Life
ORALITE® 6710	White, yellow, orange, red, green, blue, brown	Screen Printing (ink: ORALITE® 5018) UV Digital Printing (ink: ORALITE® 5019)	1235 mm x 50 m 610 mm x 50 m *Special widths available*	7 Years
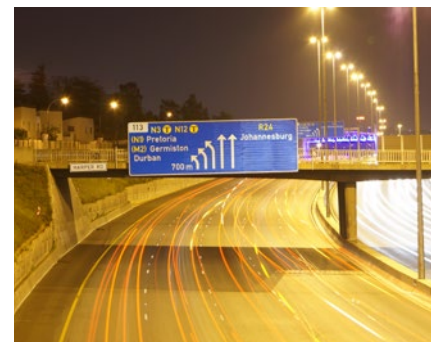
Permanent Traffic Signs – Glass Bead Films

Quick Guide

Product	Class	Construction	Certification	Service Life	Colours
ORALITE® 5810	RA2	B	CE	10 years	
ORALITE® 5800	RA2	B		10 years	
ORALITE® 5710	RA1	A	CE	7 years	
ORALITE® 5700	RA1	A		7 years	
ORALITE® 5510	RA1	A	CE	7 years	
ORALITE® 5500	RA1	A		7 years	
ORALITE® 5400	RA1	A		4 years	
ORALITE® 5300	RA1	A		7 years	
ORALITE® 5200		A		3 years	

Pattern Guide
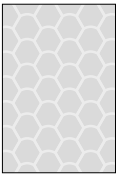
ORALITE® 5810 High Intensity Grade
ORALITE® 5800 High Intensity Grade
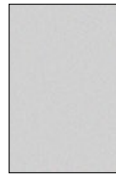
ORALITE® 5710 Engineer Grade Premium
ORALITE® 5700 Engineer Grade Premium
ORALITE® 5510 Engineer Grade
ORALITE® 5500 Engineer Grade
ORALITE® 5400 Commercial Grade
ORALITE® 5300 Commercial Grade
ORALITE® 5200 Economy Grade

Permanent Traffic Signs – Glass Bead Films

High Intensity Grade
ORALITE® 5800 / 5810

CE

Long term outdoor applications

Product benefits include:

- High performance acrylic film
- Weather resistant
- Compliance to EN 12899-1
- ORALITE® 5810 is CE-certified
- Class RA2, design B

- Excellent printability (screen printing)
- Excellent adhesion to metallic surfaces (e.g. aluminium and galvanised steel)
- Lettering Film: ORALITE® 5081
- Transparent Film: We recommend ORALITE® 5061

| Product	Colour range	Printing	Roll sizes	Service Life
ORALITE® 5800	White, yellow, orange, red, green, blue, brown	Screen printing (ink: ORALITE® 5018) UV Digital Printing (ink: ORALITE® 5019)	1235 mm x 50 m 610 mm x 50 m *Special widths available*	10 Years
ORALITE® 5810	White, yellow, orange, red, green, blue, brown *With watermark*	Screen printing (ink: ORALITE® 5018) UV Digital Printing (ink: ORALITE® 5019)	1235 mm x 50 m 610 mm x 50 m *Special widths available*	10 Years

Engineer Grade Premium
ORALITE® 5700 / 5710

CE

Long term outdoor applications

Product benefits include:

- The Engineer Grade Premium shows higher reflective performance compared to standard Engineer Grade
- Alkyd resin surface
- Weather resistant
- Compliance to EN 12899-1
- ORALITE® 5710 is CE-certified
- Class RA1, design A

- Excellent printability (Screen printing)
- Excellent adhesion to metallic surfaces (e.g. aluminium and galvanised steel)
- Lettering Film: ORALITE® 5071

Product	Colour range	Printing	Roll sizes	Service Life
ORALITE® 5700 **PREMIUM**	White, yellow, orange, red, green, blue, brown, black	Screen printing (ink: ORALITE® 5018) UV Digital Printing (ink: ORALITE® 5019)	1235 mm x 50 m 920 mm x 50 m 760 mm x 50 m 610 mm x 50 m *Special widths available*	7 Years
ORALITE® 5710 **PREMIUM**	White, yellow, orange, red, green, blue, brown *With watermark*	Screen printing (ink: ORALITE® 5018) UV Digital Printing (ink: ORALITE® 5019)	1235 mm x 50 m 920 mm x 50 m 760 mm x 50 m 610 mm x 50 m *Special widths available*	7 Years

Permanent Traffic Signs – Glass Bead Films

Engineer Grade
ORALITE® 5500 / 5510

CE *

Long term outdoor applications

Product benefits include:

- Alkyd resin surface
- Weather resistant
- Compliance to EN 12899-1
- ORALITE® 5510 is CE-certified

- Class RA1, design A
- Excellent adhesion to metallic surfaces (e.g. aluminium and galvanised steel)
- Lettering Film: ORALITE® 5071
- Transparent Film: We recommend ORALITE® 5051

Product	Colour range	Printing	Roll sizes	Service Life
ORALITE® 5500	White, yellow, orange, red, green, blue, brown, black	Screen printing (ink: ORALITE® 5018)	1235 mm x 50 m 920 mm x 50 m 760 mm x 50 m 610 mm x 50 m *Special widths available*	7 Years
ORALITE® 5510	White*, yellow*, orange, red, green, blue, brown *With watermark*	Screen printing (ink: ORALITE® 5018)	1235 mm x 50 m 920 mm x 50 m 760 mm x 50 m 610 mm x 50 m *Special widths available*	7 Years

Commercial Grade
ORALITE® 5400 / 5300

Medium term outdoor applications

Product benefits include:

- Ideal 'allround' reflective films
- Weather resistant
- Excellent adhesion to metallic surfaces (e.g. aluminium and galvanised steel)
- Class RA1, design A

- Excellent printability (Screen printing)
- ORALITE® 5400 - PVC top surface for max. flexibility, ink jet printing and excellent cutting properties
- ORALITE® 5300 - Alkyd resin surface

Product	Colour range	Printing	Roll sizes	Service Life
ORALITE® 5400	White, yellow, orange, red, green, blue	Ink jet printing Screen printing (ink: ORALITE® 5018)	1235 mm x 50 m 610 mm x 50 m	4 Years
ORALITE® 5300	White, yellow, orange, red, green, blue	Screen printing (ink: ORALITE® 5018)	1235 mm x 50 m 920 mm x 50 m 760 mm x 50 m 610 mm x 50 m	7 Years

Economy Grade
ORALITE® 5200

For sign boards, lettering, markings, symbols and graphic applications

Product benefits include:

- With a basic level of reflective performance
- Short term outdoor use
- Cast PVC polymer blend surface

- Flexible
- Excellent printability (Screen printing and ink jet printing)
- Excellent adhesion to metallic surfaces (e.g. aluminium and galvanised steel)

Product	Colour range	Printing	Roll sizes	Service Life
ORALITE® 5200	White, yellow, orange, red, green, blue	Screen printing (ink: ORALITE® 5018) Ink-jet printing	1235 mm x 50 m 610 mm x 50 m	3 Years

ORALITE® UV Traffic Sign Printing System

UV digital printing with the M2050 and M2050i and ORALITE® 5019 Ink

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.

ORAFOL offers two digital printing systems based on the AGFA Anapurna series - M2050 and M2050i.

The following CE certified ORALITE® reflective films for permanent signs can be printed on the systems:

ORALITE® 5710 Engineer Grade Premium
ORALITE® 5810 High Intensity Grade
ORALITE® 5910 High Intensity Prismatic Grade
ORALITE® 6910 Brilliant Grade

· Latest print head technology
· Engineered to handle heavy workloads with low ink consumption
· Six print heads for printing the basic traffic colours; yellow, red, blue, black, green and brown.
  M2050i: 5 litres of each ink / M2050: 1 litre of each colour
· Optional colour mixes for graphic applications
· Both machines are a hybrid solution
  For up to 4.5 cm plates and roll-to-roll
· Both systems are certified to produce traffic signs in accordance with EN 12899-1

The printer can be used on all other ORALITE® films. Contact ORAFOL for more information.
reflective.solutions@orafol.de

C E

Accessories for Sign Making

Quick Guide

Product	Product Type	Durability	Colours	Other
ORALITE® 5081	Lettering film	10 years		Gloss + matt
ORALITE® 5071	Lettering film	7 years		Gloss + matt
ORALITE® 5061	Transparent film	10 years		Gloss
ORALITE® 5062	Transparent film	7 years		Gloss
ORALITE® 5051	Transparent film	7 years		Gloss
ORALITE® 5090	Anti-Dew film	10* years		Gloss
ORALITE® 5095	Anti-Graffiti film	10 years		Gloss
ORALITE® 5018	Screen printing ink			Gloss
ORALITE® 5019	UV digital printing ink			Gloss
ORALITE® MT95	Application tape			
ORALITE® MT72	Application tape			
ORALITE® LT72	Application tape			

* 5 years functionality, 10 years durability

Lettering Films

ORALITE® 5081 / 5071

Product	Colour range	Recommended for use on	Material	Service Life
ORALITE® 5081	Black (Gloss+Matt) *With watermark*	ORALITE® 6910 Brilliant Grade ORALITE® 5910/5900 High Intensity Prismatic Grade ORALITE® 5810/5800 High Intensity Grade	High performance cast PVC film	10 Years
ORALITE® 5071	Black (Gloss+Matt) *With watermark*	ORALITE® 6710 Engineer Prismatic Grade ORALITE® 5710/5700 Engineer Grade Premium ORALITE® 5510/5500 Engineer Grade	High performance polymer PVC film	7 Years

Clear Transparent Films - for UV Digital Printing

ORALITE® 5061 / 5062 / 5051

Product	Colour range	Recommended for use on	Roll sizes	Service Life
ORALITE® 5061*	Clear	ORALITE® films printed with ORALITE® 5019 Digital Printing Ink and ORALITE® Traffic Sign Printer	1235 mm x 50 m	10 Years
ORALITE® 5062*	Clear	ORALITE® films printed with ORALITE® 5019 Digital Printing Ink and ORALITE® Traffic Sign Printer	1235 mm x 50 m	7 Years
ORALITE® 5051	Clear	ORALITE® films printed with ORALITE® 5019 Digital Printing Ink and ORALITE® Traffic Sign Printer	1235 mm x 50 m	Up to 3 years

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

Coloured Transparent Films

ORALITE® 5061 / 5062 / 5051

Product	Colour range	Recommended for use on	Roll sizes	Service Life
ORALITE® 5061*	yellow, orange, red, green, blue, brown *With watermark*	ORALITE® 6910 Brilliant Grade ORALITE® 5910/5900 High Intensity Prismatic Grade ORALITE® 5810/5800 High Intensity Grade	1235 mm x 50 m 610 mm x 50 m	10 Years
ORALITE® 5051	Yellow, red, blue *other colours on request*	ORALITE® 6710 Engineer Prismatic Grade ORALITE® 5710/5700 Engineer Grade Premium ORALITE® 5510/5500 Engineer Grade	1235 mm x 50 m 610 mm x 50 m	7 Years

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

Accessories for Sign Making

Special Films
ORALITE® 5090 / 5095

Product	Type	Description	Roll sizes	Service Life
ORALITE® 5090	Anti-Dew Film	Self adhesive transparent specially treated acrylic film. Correctly applied, the film guarantees undisturbed equal retroreflection even in wet conditions.	1235 mm x 50 m	5 Years Functionality, 10 Years Durability
ORALITE® 5095	Anti-Graffiti Film**	Self adhesive transparent fluoropolymer film developed to protect printed and unprinted ORALITE® reflective films against graffiti.	1235 mm x 50 m	10 Years

**For optimal processing the film is delivered with an application tape

Inks
ORALITE® 5018 / 5019

Product	Type	Description	Bottle sizes
ORALITE® 5018	Screen Printing Ink	One-component screen printing ink, suitable for printing on all ORALITE® reflective films.	800 ml, 2400 ml, 3750 ml, 5000 ml
ORALITE® 5019	UV Digital Printing Ink	For use with the ORALITE® UV Traffic Sign Printer, on all ORALITE® HIP grade films.	1000 ml

Application Tapes
ORATAPE® MT95 / MT72 / LT72

| Product	Type	Description	Roll sizes
ORATAPE® MT95	Application Tape	Highly transparent polyethylene-based transfer film.	1220 mm x 50 m / 100 m 1000 mm x 50 m / 100 m 500 mm x 50 m / 100 m
ORATAPE® MT72 / LT72	Application Tape	Semi-transparent transfer paper.	1220 mm x 50 m / 100 m 1000 mm x 50 m / 100 m 500 mm x 50 m / 100 m

Temporary Signs

Quick Guide

Product	Class	Construction	Service life	Standard Colours	Fluorescent Colours	Construction	Other
ORALITE® 5931	RA2 RA3	C C	5 years	▨▨▨	▨▨▨	Prismatic	
ORALITE® 5931M	RA2	C	5 years	▨▨		Prismatic	Metalised
ORALITE® 5831	RA2	B	5 years	▨▨▨		Glass Bead	
ORALITE® 5431	RA1	A	4 years	▨▨▨		Glass Bead	

Pattern Guide
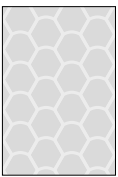
ORALITE® 5931 Prismatic Construction Grade
ORALITE® 5831 High Intensity Construction Grade

ORALITE® 5931M Prismatic Construction Grade

ORALITE® 5431 Construction Grade

Temporary Signs – Preprinted Construction Grade Films

Prismatic Construction Grade
ORALITE® 5931

Short and medium term outdoor applications

Product benefits include:

· Highly reflective prismatic film, preprinted
· Surface of specially treated PVC film

· Compliance to the requirements for barricades and guiding elements
· Class RA2, C + Class RA3, C
· Excellent adhesion to polyolefinic substrates

Product	Colour range	Roll sizes	Service Life
ORALITE® 5931	White / red* Yellow / red Yellow / black Fluorescent yellow-green / red Fluorescent yellow / red Fluorescent orange / black *Preprinted*	246 mm x 50 m Also available converted as blanks	5 Years

*Approved by BASt

Prismatic Construction Grade
ORALITE® 5931M

Short and medium term outdoor applications

Product benefits include:

· Highly reflective prismatic film, preprinted
· Single layer constriction with no risk of dirt ingress
  at the edges

· Surface of specially treated PVC film
· Compliance to the requirements for barricades and guiding elements
· Class RA2, C
· Excellent adhesion to polyolefinic substrates

Product	Colour range	Roll sizes	Service Life
ORALITE® 5931M	White / red* White / black *Preprinted*	246 mm x 50 m	5 Years

*Approved by BASt

High Intensity Construction Grade
ORALITE® 5831

Short and medium term outdoor applications

Product benefits include:

· Flexible reflective film, preprinted
· Surface of modified acrylic film

· Compliance to the requirements for barricades and guiding elements
· Class RA2, B
· Excellent adhesion to polyolefinic substrates

Product	Colour range	Roll sizes	Service Life
ORALITE® 5831	White / red* Yellow / red Yellow / black *Preprinted*	246 mm x 50 m Also available converted as blanks	5 Years

*Approved by BASt

Construction Grade
ORALITE® 5431

Short and medium term outdoor applications

Product benefits include:

· Flexible reflective film, preprinted
· With a surface of cast PVC copolymer

· Compliance to the requirements for barricades and guiding elements
· Class RA1, A
· Excellent adhesion to polyolefinic substrates

Product	Colour range	Roll sizes	Service Life
ORALITE® 5431	White / red* Yellow / red Yellow / black *Preprinted*	246 mm x 50 m Also available converted as blanks	4 Years

*Approved by BASt

Temporary Signs – Originally Coloured Construction Grade Films

Prismatic Construction Grade
ORALITE® 5930
Short and medium term outdoor applications

Product benefits include:

- Highly reflective prismatic film
- Surface of special treated PVC film
- Fluorescent colours available for enhanced daytime visibility
- Compliance to requirements for barricades and delineators

- Excellent adhesion to polyolefinic substrates
- Compliance to EN 12899-1
- Class RA2, design C

Product	Colour range	Printing	Roll sizes	Service Life
ORALITE® 5930	White, yellow, fluorescent yellow, fluorescent yellow-green, fluorescent orange	Screen printing (ink: ORALITE® 5018)	1235 mm x 50 m 610 mm x 50 m	5 Years

High Intensity Construction Grade
ORALITE® 5830
Short and medium term outdoor applications

Product benefits include:

- Flexible reflective film
- Surface of modified acrylic film

- Compliance to requirements for barricades and delineators
- Excellent adhesion to polyolefinic substrates

Product	Colour range	Printing	Roll sizes	Service Life
ORALITE® 5830	White, yellow, orange, red, green, blue	Screen printing (ink: ORALITE® 5018)	1235 mm x 50 m 920 mm x 50 m 760 mm x 50 m 610 mm x 50 m	5 Years

Construction Grade
ORALITE® 5430
Short and medium term outdoor applications

Product benefits include:

- Flexible reflective film
- With watermark and a surface of cast PVC copolymer

- Compliance to requirements for barricades and delineators
- Excellent adhesion to polyolefinic substrates

Product	Colour range	Printing	Roll sizes	Service Life
ORALITE® 5430	White, yellow, orange, red, green, blue	Screen printing (ink: ORALITE® 5018)	1235 mm x 50 m 920 mm x 50 m 760 mm x 50 m 610 mm x 50 m	4 Years

Temporary Signs – Originally Coloured Construction Grade Films

High Intensity Prismatic (HIP) Construction Grade

ORALITE® 5960

Short and medium term outdoor applications

Product benefits include:

· High reflective prismatic film
· Weather resistant
· Surface of acrylic film
· Compliance to the requirements for barricades and guiding elements

· Class RA2, design C
· Excellent printability (UV printing or screen printing)
· Excellent adhesion to metallic surfaces (e.g. aluminium and galvanised steel)

Product	Colour range	Printing	Roll sizes	Service Life
ORALITE® 5960	White, yellow, orange, red, green, blue, brown, fluorescent yellow-green	UV Printing (ink: ORALITE® 5019) or screen printing (ink: ORALITE® 5018)	1235 mm x 50 m 610 mm x 50 m *Special widths available*	5 Years

High Intensity Construction Grade

ORALITE® 5860

Short and medium term outdoor applications

Product benefits include:

· Weather resistant
· Surface of modified acrylic film
· Compliance to the requirements for barricades and guiding elements

· Class RA2, design B
· Excellent printability (Screen printing)
· Excellent adhesion to metallic surfaces (e.g. aluminium and galvanised steel)

Product	Colour range	Printing	Roll sizes	Service Life
ORALITE® 5860	White, yellow, orange, red, green, blue	Screen printing (ink: ORALITE® 5018)	1235 mm x 50 m 920 mm x 50 m 760 mm x 50 m 610 mm x 50 m *Special widths available*	5 Years

Containers and Dumpsters

High Intensity Prismatic (HIP) Container Marking Grade

ORALITE® 5951

Flexible high performance prismatic film

Product benefits include:

· High reflective flexible prismatic film
· Preprinted
· Weatherproof
· Surface of special treated PVC film
· Compliance to DIN 30710

· Class RA2, design C
· BASt approved
· Excellent adhesion to painted surfaces as well as to polyolefinic substrates.

Product	Colour range	Sheet sizes	Service Life
ORALITE® 5951	White / red	141 mm x 705 mm	5 Years

High Intensity Container Marking Grade

ORALITE® 5851

Flexible glass bead construction

Product benefits include:

· Flexible pre-printed film
· Weatherproof
· Surface of modified acrylic film
· Compliance to DIN 30710

· Class RA2, design B
· BASt approved
· Excellent adhesion to painted surfaces as well as to polyolefinic substrates.

Product	Colour range	Sheet sizes	Service Life
ORALITE® 5851	White / red	141 mm x 705 mm	5 Years

Both products are available in packs of pre-cut sheets. Each pack includes 10 full sets
(with each set consisting of 4 x left and 4 x right sheets).

Professional Printing Solutions

The ORAFOL headquarters operates a state-of-the-art in-house printing facility for the manufacture of pre-printed and pre-cut retroreflective sheetings out of the range of the glass bead based and microprismatic based series.

Advantages at a glance

Reliable partner for premium solutions

· Expert advice
· Customised solutions to suit your specific requirements
· Best printing results on ORALITE® premium films and ORALITE® laminates made by ORAFOL
· Proven quality of ORALITE® ink systems made for screen printing and UV digital printing
· Reliable prices and adherence to delivery dates

Excellence and know-how. Printing and cutting options for your specific needs

· Roll-to-roll **screen printing** (line graphics) using **ORALITE® 5018 Ink** for brilliant quality and best glaze printing results.
  Large quantity option, available in any format up to 1200 mm in width.
· **UV digital printing** with the **ORALITE® UV Traffic Sign Printer M2050/M2050i** for use with **ORALITE® 5019 UV Ink** allows
  for customised print orders, also in small quantities.
· **ORALITE® laminates** with special functionality provide the finest finish and protection for ORALITE® premium films,
  e.g. for increased UV protection or anti-graffiti protection
· **High-performance flatbed plotter** for a flexible, customised production of smaller and larger volumes and for complex designs
· **Cutting and plotting machines** designed for high-volume production. Excellent value for money.

Multiple applications, including a wide range of standard and custom designed printing solutions

· Sign faces for the manufacture of traffic signs
· Pre-cut materials for barriers, cones, delineators and reflector posts
· Pre-printed and pre-cut retroreflective sheetings for vehicle and container markings
· Labels, tags, badges for a full range of product markings, both reflective and non-reflective

Contact ORAFOL for more information

reflective.solutions@orafol.de

Reflective Solutions
Engineered to Save Lives™

Canal Grande