

ORALITE®
Engineered to Save Lives



Reflective Solutions

Vehicle Conspicuity

Reflective and non-reflective materials for marking all vehicles for high visibility

ORAFOL
ENGINEERED
FOR EXCELLENCE

Symbols and Specifications

Symbols



Easy to process



Removeability: removable



Surface application: 2D



Surface application: 3D



Durability: up to 5 years



Withstands power washes



Edge sealing recommended

Specifications

ECE-R 104/150 Class C

UNECE regulation for retroreflective contour and strip marking materials on trucks and trailers, ensuring visibility at up to 1,000 meters in low-light conditions.

ECE-R 104/150 Class D

Retroreflective material for distinctive markings and graphics on limited areas of commercial vehicles. Class D materials may be of any colour.

ECE-R 104/150 Class E

Retroreflective material for distinctive markings and graphics on extended areas of commercial vehicles. Class E materials may be of any colour.

ECE-R 104/150 Class F

Red/white retroreflective material for extremities marking, designed to highlight the outermost edges of a vehicle to improve recognition of its width and height.

ECE 70/ECE 150 (classes 1 to 5)

UNECE regulation for rear marking plates on heavy and long vehicles, using retroreflective and fluorescent materials to warn following traffic.

German § 53b Abs. 5 StVZO

German Road Traffic Licensing Regulation specifying retroreflective red-and-white warning markings for tail lifts and similar loading equipment during operation.

UK Home Office CAST (formerly PSDB)

UK specification for high-conspicuity Battenburg-pattern markings on emergency service vehicles, using retroreflective and fluorescent materials for recognition at up to 500 meters in daylight and under headlights.

N.I.T. 273 (TPESC-B)

French technical specification for retroreflective chevron markings on emergency and intervention vehicles operating at up to 130 km/h, requiring visibility of up to 500 meters day and night.

N.I.T. 273 (TPESC-A)

French technical specification for retroreflective safety markings on service vehicles, intended for standard-visibility applications and moderate operating speeds, requiring reliable daytime and nighttime visibility at typical operational distances.

DIN 11030

German standard for retroreflective red-white warning plates on mounted and towed agricultural implements, alerting road users to abnormal width or protruding components.

DIN 30710

German standard for retroreflective red-and white warning markings on vehicles with special traffic rights, including road construction, winter service and emergency vehicles.

EN 12899-1

European standard for fixed, vertical road traffic signs, defining performance classes for retroreflectivity, colour, durability and structural integrity of sign face materials and supports.

Vehicle Conspicuity

Reflective and non-reflective materials for marking all vehicles for high visibility

01 Reflective solutions for marking trucks and trailers

ORALITE® VC 104+	Rigid Grade	10
ORALITE® VC 104+	Rigid Grade Segmented	10
ORALITE® VC 104+	Tanker Stickers	10
ORALITE® VC 104+	Rigid Grade Imagine	10
ORALITE® VC 104+	Rigid Grade Imagine EVO	11
ORALITE® VC 104+	Flex Grade	11
ORALITE® VC 104+	Flex Grade Segmented	11
ORALITE® VC 104+	Flex Grade Imagine	11
ORALITE® 5600E	Fleet Marking Grade	13
ORALITE® 5600E RA	Fleet Marking Grade	13
ORALITE® 5650D RA	Fleet Engineer Grade	13
ORALITE® 5650E RA	Fleet Marking Grade	14

02 Reflective solutions for marking cars, commercial vehicles and special-purpose vehicles

ORALITE® VC 612	Flexibright	17
ORALITE® VC 612RA	Flexibright	17
ORALITE® VC 612RA	Flexibright Imagine	17
ORALITE® VC 412RA	Ecoflex	17
ORALITE® VC 170	Universal Film	18
ORALITE® VC 110	Livery Film	18
ORALITE® 6900	Brilliant Grade	18
ORALITE® 5600	Fleet Engineer Grade	19
ORALITE® 5600RA	Fleet Engineer Grade	19
ORALITE® 5650RA	Fleet Marking Grade	19

03 Printed solutions for vehicles, machinery and safety equipment

ORALITE® VC 612	Flexibright Fleet Marking Grade	23
ORALITE® VC 612RA	Flexibright Fleet Marking Grade	23
ORALITE® 6901	Brilliant Fleet Marking Grade	23
ORALITE® 5921M	Prismatic Fleet Marking Grade	23
ORALITE® 5921M RA	Prismatic Fleet Marking Grade	23
ORALITE® 5421	Commercial Fleet Marking Grade	24
ORALITE® 5821	High Intensity Fleet Marking Grade	24
ORALITE®	Truck Flags	24
ORALITE® 5951	High Intensity Prismatic Container Marking Grade	25
ORALITE® 5951M	Flexible Prismatic Container Marking Grade	25
ORALITE® 5831IND	High Intensity Grade	26
ORALITE® 5431IND	Commercial Grade	26
ORALITE® 5071IND	Hazard Warning Tape	27
ORALITE® 5091INDAS	Hazard Warning Tape	27

04 Special solutions for vehicle conspicuity

ORACAL® 7510	Fluorescent Premium Cast	31
ORACAL® 7510RA	Fluorescent Premium Cast	31
ORACAL® 7710	Fluorescent Premium Cast Plus	31
ORACAL® 7710RA	Fluorescent Premium Cast Plus	31
ORACAL® 977	Premium Livery Cast	31

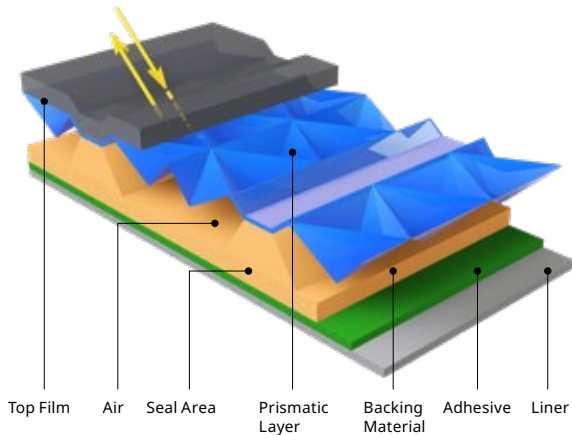
Product overview

	Product	Colour	Durability	Specification	Technology
Trucks and Trailer	ORALITE® VC 104+ Rigid Grade Rigid Grade Segmented Tanker Stickers Rigid Grade Imagine		up to 10 years	Approved to ECE-R 104/150 Class C	Prismatic metallised
	ORALITE® VC 104+ Rigid Grade Imagine EVO		up to 7 years	Approved to ECE-R 104/150 Class C	Prismatic metallised
	ORALITE® VC 104+ Flex Grade Flex Grade Segmented Flex Grade Imagine		up to 3 years	Approved to ECE-R 104/150 Class C	Prismatic metallised
	ORALITE® 5600E ORALITE® 5600E RA ORALITE® 5650E RA Fleet Marking Grade		up to 7 years	Approved to ECE 104 Class E	Embedded glass bead
	ORALITE® 5650D RA Fleet Engineer Grade		up to 7 years	Approved to ECE 104 Class D	Embedded glass bead
Reflective Livery Films	ORALITE® VC 612 ORALITE® VC 612RA Flexibright	 	up to 7 years	In accordance with UK Home Office CAST (formerly PSDB)	Prismatic metallised
	ORALITE® VC 612RA Flexibright Imagine		up to 7 years		Prismatic metallised
	ORALITE® VC 412RA Ecoflex	 	3 to 5 years		Prismatic metallised
	ORALITE® VC 170 Universal Film		up to 3 years		Prismatic metallised
	ORALITE® VC 110 Livery Film		up to 10 years	Reflectivity and colour in accordance with ECE 104 Class C	Prismatic metallised
	ORALITE® 6900 Brilliant Grade	 	up to 10 years	In accordance with UK Home Office CAST (formerly PSDB)	Prismatic air-backed
	ORALITE® 5600 ORALITE® 5600RA Fleet Engineer Grade		up to 7 years		Embedded glass bead
	ORALITE® 5650RA Fleet Marking Grade		up to 7 years		Embedded glass bead
Preprinted Reflective Film	ORALITE® VC 612 ORALITE® VC 612RA Flexibright Fleet Marking Grade		up to 5 years	Approved to N.I.T. 273 (approval number: TPESC-B 13223)	Prismatic metallised
	ORALITE® 6901 Brilliant Fleet Marking Grade		up to 7 years	Approved to N.I.T. 273 (approval number: TPESC-B 15035)	Prismatic air-backed
	ORALITE® 5421 Commercial Fleet Marking Grade		up to 4 years	Fulfills DIN 11030 and TPESC-A 10071	Embedded glass bead
	ORALITE® 5921 M ORALITE® 5921 M RA Prismatic Fleet Marking Grade		up to 5 years	Approved to ECE 104 Class F Fulfills ECE 70/ECE 150 Class 5 Fulfills DIN 30710 and TPESC-B 14303	Prismatic metallised
	ORALITE® 5821 High Intensity Fleet Marking Grade		up to 4 years	In accordance with DIN 30710 and EN 12899-1	Encapsulated glass bead
	ORALITE® Truck Flags		up to 1 years	Approved to the German § 53b Abs. 5 StVZO standard	Prismatic air-backed
	ORALITE® 5951 High Intensity Prismatic Container Marking Grade		up to 5 years		Prismatic air-backed
	ORALITE® 5951 M Flexible Prismatic Container Marking Grade		up to 5 years		Prismatic metallised
	ORALITE® 5831 IND High Intensity Grade		up to 5 years		Encapsulated glass bead
	ORALITE® 5431 IND Commercial Grade		up to 4 years		Embedded glass bead
	ORALITE® 5071 IND Hazard Warning Tape		up to 7 years		Non-Reflective
	ORALITE® 5091 INDAS Hazard Warning Tape		up to 2 years		Non-Reflective
Non-Reflective	ORACAL® 7510 ORACAL® 7510RA Fluorescent Premium Cast		up to 3 years		Non-Reflective
	ORACAL® 7710 ORACAL® 7710RA Fluorescent Premium Cast Plus		up to 4 years		Non-Reflective
	ORACAL® 977 Premium Livery Cast		up to 6 years		Non-Reflective

Principles of Retroreflection

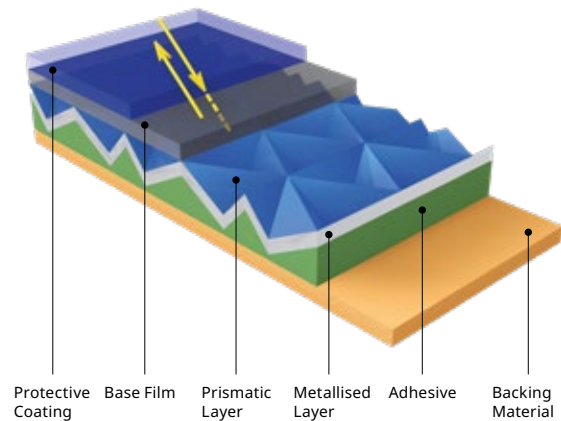
Retroreflection technology uses four design principles to reliably reflect light back to its source. Each principle is characterised by specific performance features.

Prismatic air-backed construction Design C



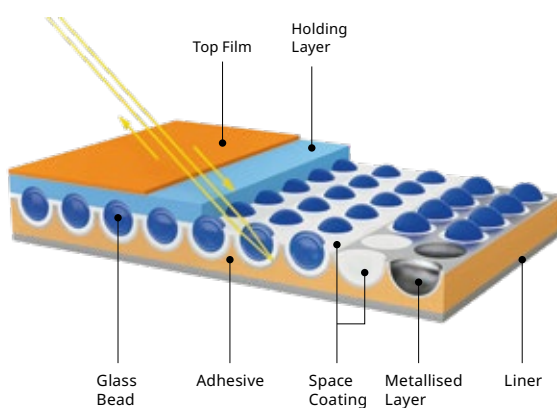
Sophisticated microprisms with an integrated air layer ensure particularly bright reflection and maximum efficiency. This construction is robust and durable, even under demanding conditions.

Prismatic metallised construction Design C



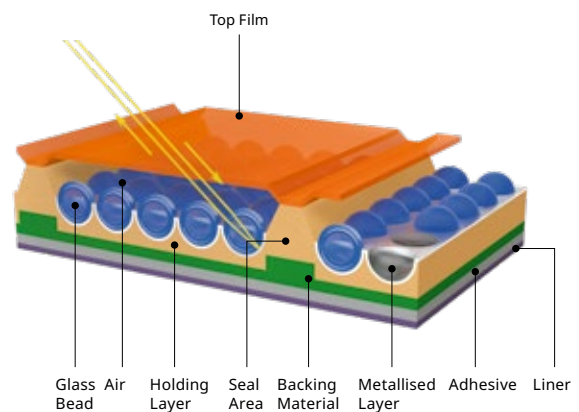
Microprisms with a metallic coating combine high reflection values with greater material flexibility.

Embedded glass bead construction Design A



In this construction, glass beads are embedded directly into the substrate. They ensure reliable reflection, high durability and consistent performance throughout the entire service life.

Encapsulated glass bead construction Design B



Here, glass beads are completely enclosed in a protective layer. This provides maximum reflection, increased durability and protection of the beads from abrasion or environmental influences.



01
Reflective solutions for marking trucks and trailers

ORALITE®
Marking Tapes



ECE-R 104/150 Class C

Contour markings for trucks and trailers

ORAFOL offers solutions for different vehicle types with rigid or flexible surfaces, and customisable with the contour marking ORALITE® VC 104+ Imagine. The products comply with ECE-R 104/150 Class C and are characterised by a long service life of up to 10 years.

Product overview

Product	Colour	Standard width (mm)	Durability up to (years)	Specification			Processing			Technology
				ECE-R 104	ECE-R 150	Class	Surface application	Withstands power washes	Easy to process	
ORALITE® VC 104+ Rigid Grade	○ ● ●	50	10	✓	✓	C	2D	✓	✓	Prismatic metallised
ORALITE® VC 104+ Rigid Grade Segmented	○ ● ●	50	10	✓	✓	C	2D	✓	✓	Prismatic metallised
ORALITE® VC 104+ Tanker Stickers	○ ● ●	50	10	✓	✓	C	2D	✓	✓	Prismatic metallised
ORALITE® VC 104+ Rigid Grade Imagine	○ ● ●	50	10	✓	✓	C	2D	✓	✓	Prismatic metallised
ORALITE® VC 104+ Rigid Grade Imagine EVO	○ ● ●	50	7	✓	✓	C	2D	✓	✓	Prismatic metallised
ORALITE® VC 104+ Flex Grade	○ ● ●	50	3	✓	✓	C	3D	✓	✓	Prismatic metallised
ORALITE® VC 104+ Flex Grade Segmented	○ ● ●	50	3	✓	✓	C	3D	✓	✓	Prismatic metallised
ORALITE® VC 104+ Flex Grade Imagine	○ ● ●	50	3	✓	✓	C	3D	✓	✓	Prismatic metallised

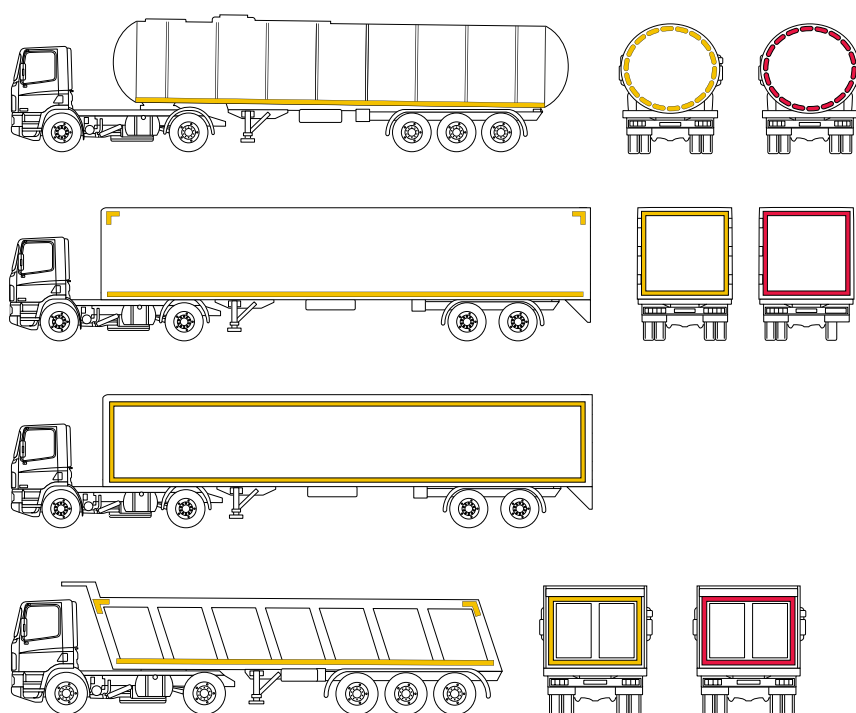
ECE-R 104/150 Regulation Markings for trucks and trailers

Since 10 July 2011, markings have been mandatory on newly registered truck types over 7.5 t (N2/N3) and trailers over 3.5 t (O3/O4).

Reflective materials that comply with ECE-R 104/150 Class C of the United Nations Economic Commission for Europe (UNECE) must be affixed to the sides and rear of these vehicles.

As a specialist in microprismatic retroreflective technology, ORAFOL has been setting standards in ECE-R 104/150 Class C marking since the early 1990s. True to the motto "Engineered to Save Lives", our ORALITE® contour marking tapes guarantee maximum visibility and maximum protection in road traffic.

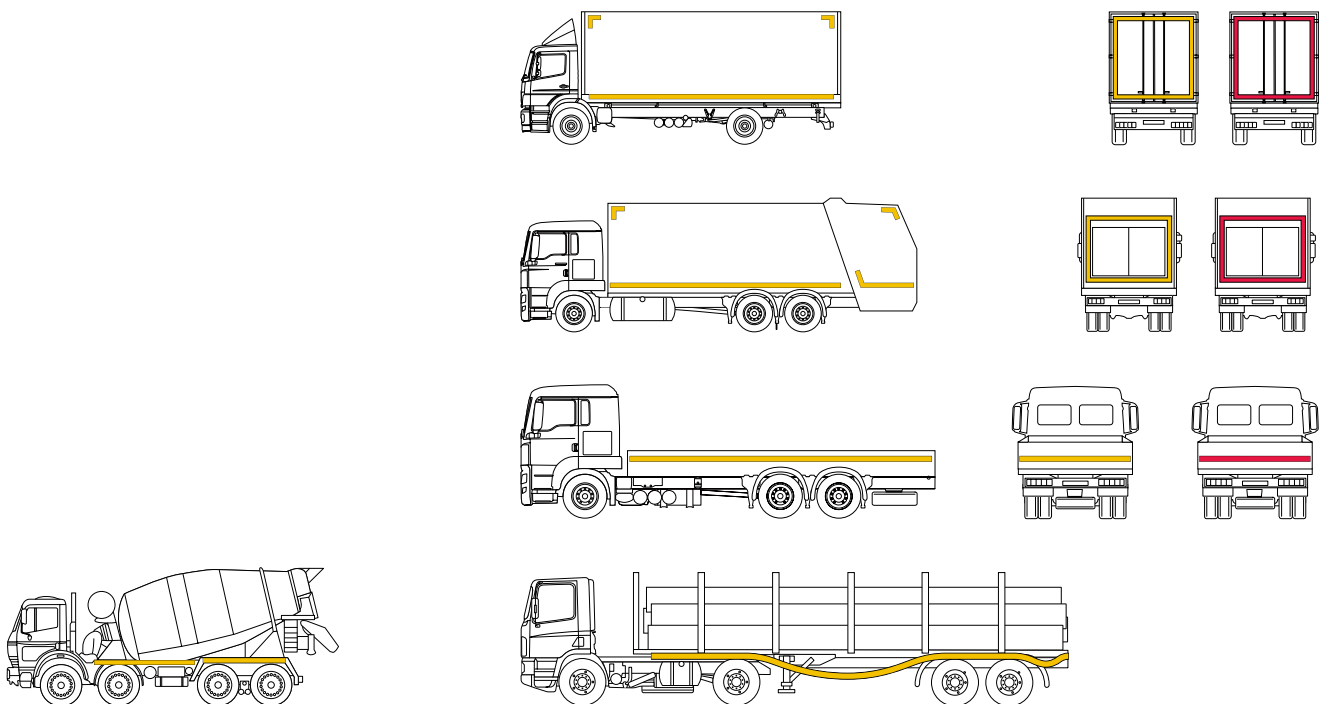
Examples of contour marking on different types of vehicles



ECE-R 104/150 Regulation overview

M Motorised vehicles for passenger transport		Mandatory from 10 July 2011*	Permitted	Not Permitted
M1	Motorised vehicles for passenger transport with a maximum of 8 seats in addition to the driver's seat	-	-	✘
M2	Motor vehicles for the transport of passengers with more than eight seats in addition to the driver's seat and a maximum authorised mass not exceeding 5 tonnes	-	✔	-
M3	Motorised vehicles for the transport of passengers with more than eight seats in addition to the driver's seat and a maximum authorised mass exceeding 5 tonnes	-	✔	-
N Motorised vehicles for the transport of goods		Mandatory from 10 July 2011*	Permitted	Not Permitted
N1	Motorised vehicles for the transport of goods with a maximum weight of 3.5 tonnes ()	-	✔	-
N2	Motor vehicles for the transport of goods with a weight between 3.5 and 7.5 tonnes	-	✔	-
N2	Motor vehicles for the transport of goods weighing over 7.5 tonnes	✔	✔	-
N3	Motor vehicles for the transport of goods weighing over 12 tonnes	✔	✔	-
O Trailers		Mandatory from 10 July 2011*	Permitted	Not permitted
O1	Trailers with a maximum weight of 0.75 tonnes	-	-	✘
O2	Trailers with a weight between 0.75 and 3.5 tonnes	-	✔	-
O3	Trailers weighing between 3.5 and 10 tonnes	✔	✔	-
O4	Trailers weighing over 10 tonnes	✔	✔	-

* For new registrations



ORALITE® VC 104+ Rigid Grade Rigid Grade Segmented

Reflective marking tape for trucks and trailers with rigid surfaces

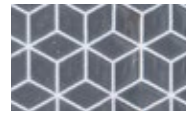
- Prismatic metallised technology
- Substrate material: rigid, metallic and coated vehicle surfaces
- Also available as a segmented version



VC 104+ Rigid Grade



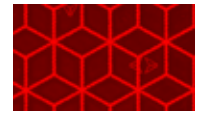
VC 104+ Rigid Grade Segmented



015 White

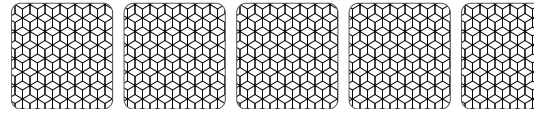


065 Yellow

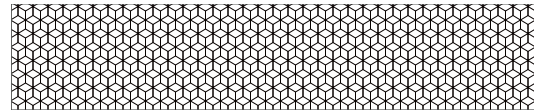


012 Red

Segmented version



Continuous version



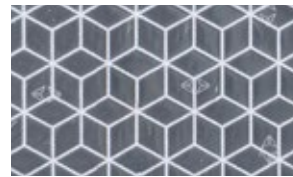
ORALITE® VC 104+ Tanker Stickers

Makes personalisation possible in a choice of colours

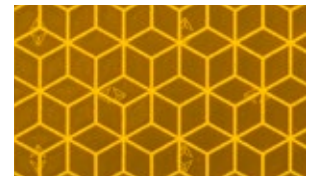
- Prismatic metallised technology
- Substrate material: rigid, metallic and coated vehicle surfaces



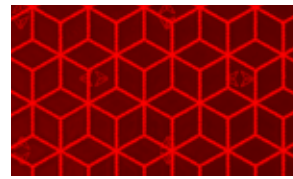
VC 104+ Tanker Stickers



015 White



065 Yellow



012 Red

ORALITE® VC 104+ Rigid Grade Imagine

Customisable reflective marking tape for rigid trailers

- Prismatic metallised technology
- Substrate material: rigid, metallic and coated vehicle surfaces
- Customised with your logo



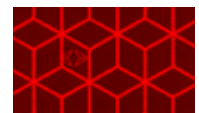
VC 104+ Rigid Grade Imagine



015 White



065 Yellow



012 Red

Customised version



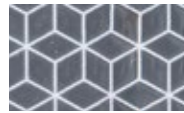
ORALITE® VC 104+ Rigid Grade Imagine EVO

Customisable reflective marking tape for trucks and trailers with rigid surfaces

- Prismatic metallised technology
- Substrate material: rigid, metallic and coated vehicle surfaces
- Customised with your logo



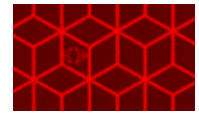
VC 104+ Rigid Grade Imagine EVO



015 White



065 Yellow



012 Red

Customised version



015 White

ORALITE® VC 104+ Flex Grade Flex Grade Segmented

Reflective marking tape onto trailer curtains

- Prismatic metallised technology
- Substrate material: tarpaulins



VC 104+ Flex Grade



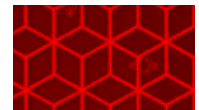
VC 104+ Flex Grade Segmented



015 White

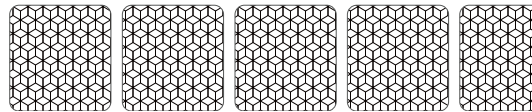


065 Yellow

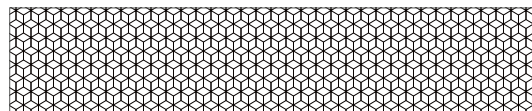


012 Red

Segmented version



Continuous version



ORALITE® VC 104+ Flex Grade Imagine

Customisable reflective marking tape for curtain sided trailers

- Prismatic metallised technology
- Substrate material: tarpaulins
- Customised with your logo



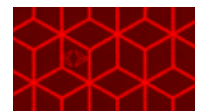
VC 104+ Flex Grade Imagine



015 White



065 Yellow



012 Red

Customised version





ECE-R 104/150 Class D and E

Contour marking for trucks and trailers

ORAFOL offers high-quality ORALITE® solutions for different vehicle types that are consistent in terms of colour spectrum, vinyl top layer and durability and reliably meet the requirements of ECE-R 104/150 Class D and E respectively.

Product overview

Product	Colour	Standard width (mm)	Durability up to (years)	Specification		Processing			Technology
				ECE-R 104	Class	Surface application	Removable	Easy to process	
ORALITE® 5600E Fleet Marking Grade		1520, 1370, 1235, 920, 760	7	✓	E	3D	✓	✓	Embedded glass bead
ORALITE® 5600E RA Fleet Marking Grade		1520, 1370, 1235, 920, 760	7	✓	E	3D	✓	✓	Embedded glass bead
ORALITE® 5650E RA Fleet Marking Grade		1520, 1370, 1220, 760, 610	7	✓	E	3D	-	✓	Embedded glass bead
ORALITE® 5650D RA Fleet Engineer Grade		1520, 1370, 1220, 760, 610	7	✓	D	3D	-	✓	Embedded glass bead

ORALITE® 5600E ORALITE® 5600E RA

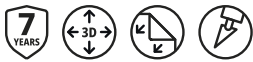
Fleet Marking Grade

High quality reflective livery film for lettering, markings and decoration applied onto rigid trailer sides

- Embedded glass bead technology
- Substrate material: coated vehicle surfaces
- Excellent printability with most digital printing systems and screen printing inks

only 5600E RA:

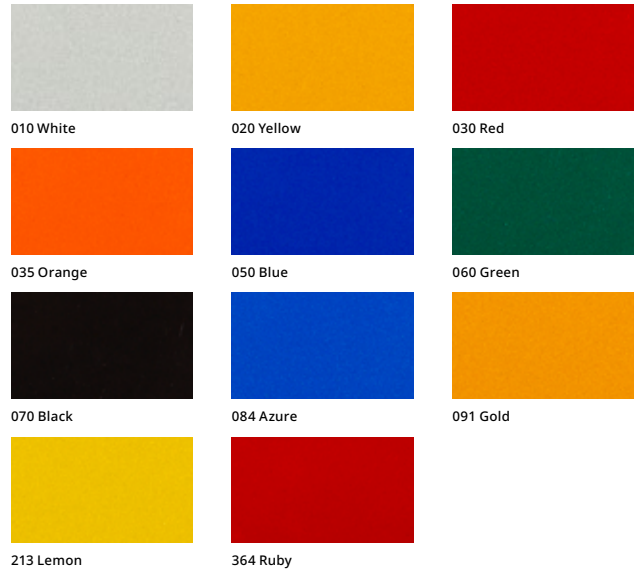
- RapidAir Technology for easy application



5600E



5600E RA



ORALITE® 5650D RA

Fleet Engineer Grade

High quality reflective livery film for lettering, markings and decoration applied onto rigid trailer sides

- Embedded glass bead technology
- Substrate material: coated vehicle surfaces
- RapidAir Technology for easy application
- Excellent printability with most digital printing systems and screen printing inks



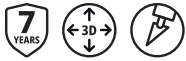
5650D RA



ORALITE® 5650E RA Fleet Marking Grade

High quality reflective livery film for lettering, markings and decoration applied onto rigid trailer sides

- Embedded glass bead technology
- Substrate material: coated vehicle surfaces
- RapidAir Technology for easy application
- Excellent printability with most digital printing systems and screen printing inks



5650E RA



ORALITE® Colour Fans

They provide a compact overview of the patterns in approximately 17.4 cm x 5.0 cm, suitable for consultations, internal evaluations, or training purposes.

Colour fans are available for purchase. Please send your requests to reflective.solutions@orafol.de.

ORALITE® Livery Films

Order No.: 2007446



ORALITE® Trucks and Trailer

Order No.: 2007447

ORALITE® Pre-Printed

Order No.: 2007448

02

Reflective solutions for marking cars, commercial vehicles and special-purpose vehicles



ORALITE®
Livery Films



Livery Films

for passenger cars, commercial vehicles and special-purpose vehicles

ORALITE® premium reflective films can be used to reliably mark all types of vehicles – from passenger cars and commercial vehicles to special-purpose vehicles. The materials impress with their high reflectivity, long-lasting durability and precise, standard-compliant processing – without the need to seal the cut edges.

Product overview

Product	Colour	Standard width (mm)	Durability up to (years)	Specification		Processing				Technology
				UK Home Office CAST	Class	Surface application	Removable	Easy to process	Edge sealing recommended	
ORALITE® VC 612 Flexibright		1235, 610	7	☑	-	3D	☑	☑	-	Prismatic metallised
ORALITE® VC 612RA Flexibright		1235, 610	7	☑	-	3D	☑	☑	-	Prismatic metallised
ORALITE® VC 612RA Flexibright Imagine		1235, 610	7	-	-	3D	☑	☑	-	Prismatic metallised
ORALITE® VC 412RA Ecoflex		1235, 610	3 to 5	-	-	3D	☑	☑	-	Prismatic metallised
ORALITE® VC 170 Universal Film		1235, 610	3	-	-	2D	-	☑	-	Prismatic metallised
ORALITE® VC 110 Livery Film		1235, 610	10	-	C	2D	☑	☑	-	Prismatic metallised
ORALITE® 6900 Brilliant Grade		1235, 610	10	☑	-	2D	-	-	☑	Prismatic air-backed
ORALITE® 5600 Fleet Engineer Grade		1520, 1235	7	-	-	2D	-	☑	-	Embedded glass bead
ORALITE® 5600RA Fleet Engineer Grade		1520, 1235	7	-	-	3D	-	☑	-	Embedded glass bead
ORALITE® 5650RA Fleet Marking Grade		1520, 1235	7	-	-	3D	-	☑	-	Embedded glass bead

ORALITE® VC 612

ORALITE® VC 612RA

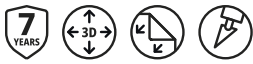
Flexibright

Flexible reflective prismatic livery film

- Prismatic metallised technology
- Substrate material: coated vehicle surfaces
- Printable with qualified printing systems

only VC 612RA:

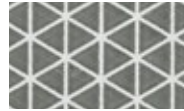
- RapidAir Technology for easy application



VC 612 Flexibright



VC 612RA Flexibright



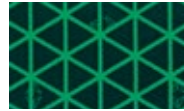
015 White



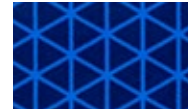
018 Yellow



012 Red



027 Green



023 Blue



112 Fl. lime



111 Fl. yellow



114 Fl. orange



113 Fl. red orange

ORALITE® VC 612RA

Flexibright Imagine

Customisable flexible reflective prismatic livery film

- Prismatic metallised technology
- Substrate material: coated vehicle surfaces
- Customised with your logo
- RapidAir Technology for easy application
- Printable with qualified printing systems



VC 612RA Flexibright Imagine



112 Fl. lime

ORALITE® VC 412RA

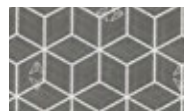
Ecoflex

Reflective prismatic livery film

- Prismatic metallised technology
- Substrate material: coated vehicle surfaces
- RapidAir Technology for easy application
- Printable with qualified printing systems



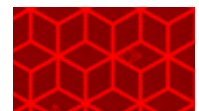
VC 412RA



015 White



018 Yellow



012 Red



027 Green



023 Blue



112 Fl. lime

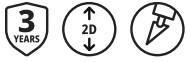


114 Fl. orange

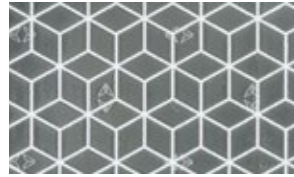
ORALITE® VC 170+ Universal Film

Highly versatile universal reflective film

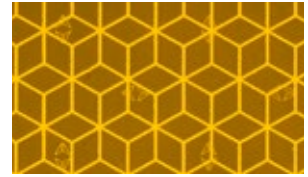
- Prismatic metallised technology
- Substrate material: coated surfaces



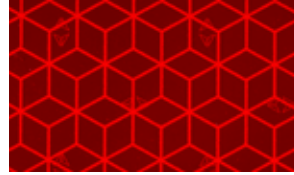
VC 170+



015 White



065 Yellow



012 Red

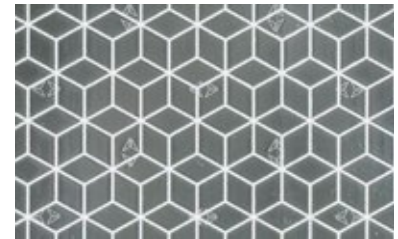
ORALITE® VC 110 Livery Film

Highly versatile livery reflective film

- Prismatic metallised technology
- Substrate material: coated vehicle surfaces



VC 110



015 White

ORALITE® 6900 Brilliant Grade

Prismatic airbacked reflective films for high visibility livery applications on emergency services vehicles

- Prismatic air-backed technology
- Substrate material: coated vehicle surfaces
- Printable with qualified printing systems



6900



010 White



030 Red



060 Green



049 Royal blue



029 Fl. yellow-green



038 Fl. orange

ORALITE® 5600 ORALITE® 5600RA

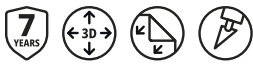
Fleet Engineer Grade

High quality reflective livery film for lettering, markings and decoration applied onto rigid trailer sides

- Embedded glass bead technology
- Substrate material: coated vehicle surfaces
- Excellent printability with most digital printing systems and screen printing inks

only 5600RA:

- RapidAir Technology for easy application



5600



5600RA



010 White



020 Yellow



030 Red



035 Orange



050 Blue



060 Green



070 Black



084 Azure



091 Gold



213 Lemon



364 Ruby

ORALITE® 5650RA

Fleet Marking Grade

High quality reflective livery film for lettering, markings and decoration applied onto rigid trailer sides

- Embedded glass bead technology
- Substrate material: coated vehicle surfaces
- RapidAir Technology for easy application
- Excellent printability with most digital printing systems and screen printing inks



5650RA



010 White



020 Yellow



030 Red



035 Orange



050 Blue



060 Green



070 Black



084 Azure



091 Gold



213 Lemon



364 Ruby

03

Printed solutions for vehicles, machinery and safety equipment

ORALITE®
Marking Grade







ORALITE® Marking Grade

Printed materials and marking grade for vehicles, machinery and safety equipment

ORALITE® printed materials and marking grade tapes can be used to reliably mark vehicles, machinery and infrastructure. The reflective and non-reflective materials ensure optimum visibility, excellent durability and robust performance – even under the toughest conditions.

Product overview

Product	Colour	Standard width (mm)	Durability up to (years)	Specification								Processing					Technology	
				N.I.T. 273 (TPESC-B)	N.I.T. 273 (TPESC-A)	DIN 11030	DIN 30710	EN 12899-1	ECE-R 104 Class F	ECE-R 70/150 Class 5	Class	Surface application	Withstands power washes	Removable	Easy to process	Edge sealing recommended		
Vehicle	ORALITE® VC 612 Flexibright Fleet Marking Grade	1200, 282, 141	5	☑	-	-	-	-	-	-	-	-	3D	☑	☑	☑	-	Prismatic metallised
	ORALITE® VC 612RA Flexibright Fleet Marking Grade	1200, 282, 141	5	☑	-	-	-	-	-	-	-	-	3D	☑	☑	☑	-	Prismatic metallised
	ORALITE® 6901 Brilliant Fleet Marking Grade	1200	7	☑	-	-	-	-	-	-	-	-	2D	-	-	-	☑	Prismatic air-backed
	ORALITE® 5421 Commercial Fleet Marking Grade	1200, 282, 141	4	-	☑	☑	-	☑	-	-	-	RA1	3D	☑	☑	☑	-	Embedded glass bead
	ORALITE® 5921 M Prismatic Fleet Marking Grade	1200, 282, 141	5	☑	-	☑	☑	☑	☑	☑	☑	RA2	3D	☑	☑	☑	-	Prismatic metallised
	ORALITE® 5921 M RA Prismatic Fleet Marking Grade	1200, 282, 141	5	☑	-	☑	☑	☑	☑	☑	☑	RA2	3D	☑	☑	☑	-	Prismatic metallised
	ORALITE® 5821 High Intensity Fleet Marking Grade	1200, 282, 141	4	-	-	-	☑	☑	-	-	-	RA2	2D	-	☑	-	☑	Encapsulated glass bead
ORALITE® Truck Flags	430 x 250	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Prismatic air-backed	
Container	ORALITE® 5951 High Intensity Prismatic Container Marking Grade		5	-	-	-	-	☑	-	-	RA2	2D	-	-	-	☑	Prismatic air-backed	
	ORALITE® 5951 M Flexible Prismatic Container Marking Grade		5	-	-	-	-	☑	-	-	RA2	3D	☑	-	☑	-	Prismatic metallised	
Industrial	ORALITE® 5831IND High Intensity Grade	600, 100, 50	5	-	-	-	-	-	-	-	-	2D	-	-	-	☑	Encapsulated glass bead	
	ORALITE® 5431IND Commercial Grade	600, 100, 50	4	-	-	-	-	-	-	-	-	3D	-	-	☑	-	Embedded glass bead	
	ORALITE® 5071IND Hazard Warning Tape	600, 100, 50	7	-	-	-	-	-	-	-	-	3D	-	-	☑	-	Non-Reflective	
	ORALITE® 5091INDAS Hazard Warning Tape	600, 100, 50	2	-	-	-	-	-	-	-	-	3D	-	☑	☑	-	Non-Reflective	

Vehicle Marking

ORALITE® VC 612 ORALITE® VC 612RA Flexibright Fleet Marking Grade

Pre-printed flexible reflective prismatic livery film

- Prismatic metallised technology
- Substrate material: coated vehicle surfaces
- Customised print layout available
- Variants: right/left handed

only VC 612RA:

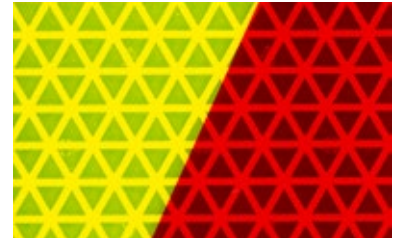
- RapidAir Technology for easy application



VC 612 Flexibright
Fleet Marking
Grade



VC 612RA
Flexibright Fleet
Marking Grade

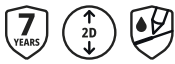


289 Fl. lime-yellow/red

ORALITE® 6901 Brilliant Fleet Marking Grade

Pre-printed reflective prismatic livery film

- Prismatic air-backed technology
- Substrate material: coated vehicle surfaces
- Customised print layout available
- Variants: right/left handed



6901



029 Fl. yellow-green/red

ORALITE® 5921M ORALITE® 5921M RA Prismatic Fleet Marking Grade

Pre-printed flexible prismatic reflective livery films for vehicle warning markings

- Prismatic metallised technology
- Substrate material: coated vehicle surfaces
- Customised print layout available
- Variants: right/left handed

only 5921M RA:

- RapidAir Technology for easy application



5921M



5921M RA



010 White/red

ORALITE® 5421

Commercial Fleet Marking Grade

Pre-printed reflective film for marking of utility vehicles

- Embedded glass bead technology
- Substrate material: coated vehicle surfaces
- Customised print layout available
- Variants: right/left handed



5421



010 White/red

ORALITE® 5821

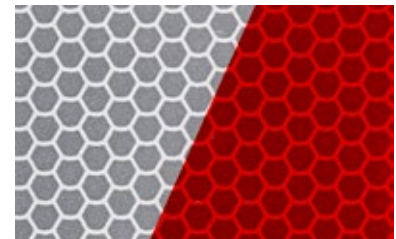
High Intensity Fleet Marking Grade

Pre-printed flexible reflective films for marking of utility vehicles

- Encapsulated glass bead technology
- Substrate material: coated vehicle surfaces
- Customised print layout available
- Variants: right/left handed



5821



010 White/red

ORALITE® Truck Flags

Reflective warning flags for truck marking and identification

- Prismatic air-backed technology
- Variants: right/left handed



Truck Flags



010 White/red

Container Marking

ORALITE® 5951

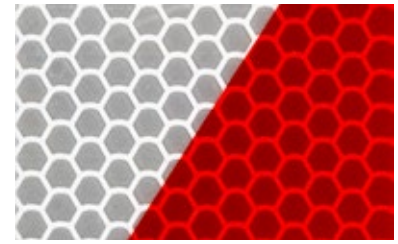
High Intensity Prismatic Container Marking Grade

Pre-printed prismatic reflective films for marking of containers and swap bodies

- Prismatic air-backed technology
- Substrate material: metallic and coated surfaces
- Variants: right/left handed



5951



010 White/red

ORALITE® 5951M

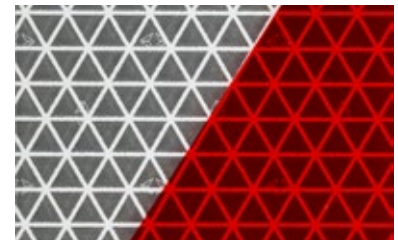
Flexible Prismatic Container Marking Grade

Pre-printed flexible prismatic reflective films for marking of containers and swap bodies

- Prismatic metallised technology
- Substrate material: metallic and coated surfaces
- Variants: right/left handed



5951M



010 White/red

Industrial Marking

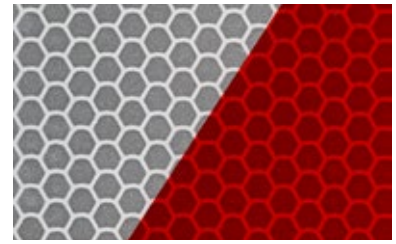
ORALITE® 5831IND High Intensity Grade

Flexible reflective Hazard Warning Tape with high visibility

- Encapsulated glass bead technology
- Substrate material: metallic and coated surfaces
- Customised print layout available
- Variants: right/left handed



5831IND



010 White/red



020 Yellow/black

ORALITE® 5431IND Commercial Grade

Highly flexible reflective Hazard Warning Tape for low visibility areas

- Embedded glass bead technology
- Substrate material: metallic and coated surfaces
- Customised print layout available
- Variants: right/left handed



5431IND



010 White/red



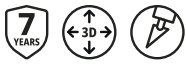
020 Yellow/black

ORALITE® 5071IND

Hazard Warning Tape

Non-reflective Hazard Warning Tape

- Substrate material: metallic and coated surfaces
- Customised print layout available
- Variants: right/left handed



5071IND



010 White/red



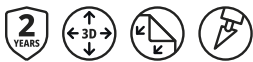
020 Yellow/black

ORALITE® 5091INDAS

Hazard Warning Tape

Non-reflective Hazard Warning Tape with anti-slip properties for temporary floor markings

- Substrate material: metallic and coated surfaces
- Customised print layout available
- Variants: right/left handed



5091INDAS



010 White/red



020 Yellow/black

04 Special solutions for vehicle conspicuity

**ORACAL®
Premium Films**





56/83

www.drk-wehr.com

 Deutsches
Rotes
Kreuz
www.drk-wehr.com

RETTUNGSWAGEN

 112

 112

 Deutsches
Rotes
Kreuz

Ortswappen



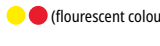
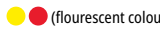

Wehr/Baden



Special materials for safe and standard-compliant labelling

ORAFOL offers reflective and non-reflective special films for the highest standards of standard-compliant labelling. The materials meet German, European and international standards and enable efficient, tailor-made implementation for vehicles, machines and other applications from a single source.

Product overview

Product	Colour	Standard width (mm)	Durability up to (years)	Processing				Technology
				Surface application	Withstands power washes	Removable	Easy to process	
ORACAL® 7510 Fluorescent Premium Cast	 (fluorescent colours)	1260	3	3D	-	✓	✓	Non-reflective
ORACAL® 7510RA Fluorescent Premium Cast	 (fluorescent colours)	1260	3	3D	-	✓	✓	Non-reflective
ORACAL® 7710 Fluorescent Premium Cast Plus	 (fluorescent colours)	1260	4	3D	-	✓	✓	Non-reflective
ORACAL® 7710RA Fluorescent Premium Cast Plus	 (fluorescent colours)	1520	4	3D	-	✓	✓	Non-reflective
ORACAL® 977 Premium Livery Cast		1520	6	3D	✓	✓	✓	Non-reflective

ORACAL® 7510 ORACAL® 7510RA Fluorescent Premium Cast

Fluorescent non-reflective film for markings on emergency vehicles and utility vehicles

- Substrate material: coated vehicle surfaces
- RapidAir Technology for easy application



7510



7510RA



029 Fl. yellow



037 Fl. orange



038 Fl. red-orange



357 Fl. orange-red



039 Fl. red



046 Fl. pink



069 Fl. green

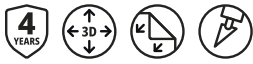
ORACAL® 7710 ORACAL® 7710RA Fluorescent Premium Cast Plus

Fluorescent non-reflective film for markings on emergency vehicles and utility vehicles

- Substrate material: coated vehicle surfaces

only 7710RA:

- RapidAir Technology for easy application



7710



7710RA



029 Fl. yellow



039 Fl. red

ORACAL® 977 Premium Livery Cast

Multi-layered, high performance PVC film for plotter applications

- Substrate material: coated vehicle surfaces



977



572G Police blue

ORAFOL Europe GmbH
Orafolstrasse 1
D-16515 Oranienburg
Germany

Phone +49 (0)3301 864-0
reflective.solutions@orafol.de
www.orafol.com

