

Reflective Solutions

ORALITE® REFLECTIVE APPLICATIONS

FLEET SOLUTIONS

TRAFFIC & WAYFINDING
SIGNAGE SOLUTIONS



Engineered to Save Lives™



TRAFFIC / GUIDANCE / WAY-FINDING SIGN SHEETING

	ORALITE® 5900 (HIP) High Intensity Prismatic	ORALITE® 6700 Engineer Prismatic	ORALITE® 5700 Engineer Grade Premium	ORALITE® 5500 Engineer Grade	ORALITE® 5300 Commercial Grade	ORALITE® 5400 Commercial Grade
Typical Application						 *Printed Decals and Safety Labels
ASTM D 4956 Specification <i>For retroreflective sheeting</i>	Type IV	Type I				Type I
Printability						
Application Surface	aluminium and galvanised steel / flat (or simple curves for ORALITE 5400 only)					
Outdoor Durability	Outdoor // Long-term Up to 10 years	Outdoor // Long-term Up to 7 years				Outdoor // Medium-term Up to 4 years
	Not intended for vehicle graphic applications					

ORALITE® 5900

High Intensity Prismatic (HIP) Grade



010
white
blanco
blanc



020
yellow
amarillo
jaune



035
orange
naranja
orange



030
red
rojo
rouge



060
green
verde
verte



050
blue
azul
bleu



080
brown
marrón
brun

ORALITE® 6700

Engineer Grade Prismatic



010
white
blanco
blanc



020
yellow
amarillo
jaune



035
orange
naranja
orange



030
red
rojo
rouge



060
green
verde
verte



050
blue
azul
bleu



080
brown
marrón
brun

ORALITE® 5700 5500 // 5300

Engineer Grade Premium
Engineer Grade
Commercial Grade



010
white
blanco
blanc



020
yellow
amarillo
jaune



035
orange
naranja
orange



030
red
rojo
rouge



060
green
verde
verte



050
blue
azul
bleu



080
brown
marrón
brun



070
black
negro
noir

Product Overview

	9-mil	6-8-mil	5-mil	4-mil	5.3-mil Cast	
Film Type						
Engineered Matched System™	Clear, Over-Laminate Solutions	ORALITE® 5061 / 5090 / 5095 ORAGUARD® 290 / 290GF	ORALITE® 5062 / 5090 / 5095 ORAGUARD® 290 / 290GF		ORALITE® 5062 ORAGUARD® 215	
	Transparent Color Overlay Solutions	ORALITE® 5061	ORALITE® 5061 / 5051		ORALITE® 5052 ORACAL® 8300	
	Opaque Overlay Solutions	ORALITE® 5081 ORACAL® 951	ORALITE® 5071 ORACAL® 751		ORALITE® 5071 ORACAL® 751 / 651	
Roll Widths	12.75", 18.65", 24.65", 30.63", 36.65", 48.66"		15" (punched), 24", 30", 48"		15" (punched), 24", 30", 48"	
Roll Lengths	150' (50-yard)		150' (50-yard) 30' (10-yard)		150' (50-yard)	
Technical Data	ORALITE® 5900	6700	5700	5500	ORALITE® 5300	ORALITE® 5400

Application Types

- Vehicle & Fleet Graphics
- Outdoor Signage
- Traffic Signs
- Specialty Applications
- Vehicle Conspicuity

Printability Type

- ORALITE® UV Traffic Printer
- Roland DGA® TrafficWorks™ (Eco-solvent) Printer
- ORALITE® 5018 Screen Printing Ink
- Latex
- Thermal Transfer Compatible
- General latex, eco-solvent, UV, and thermal printers

Engineered Matched System™ Components



ORALITE® 5800
High Intensity Grade

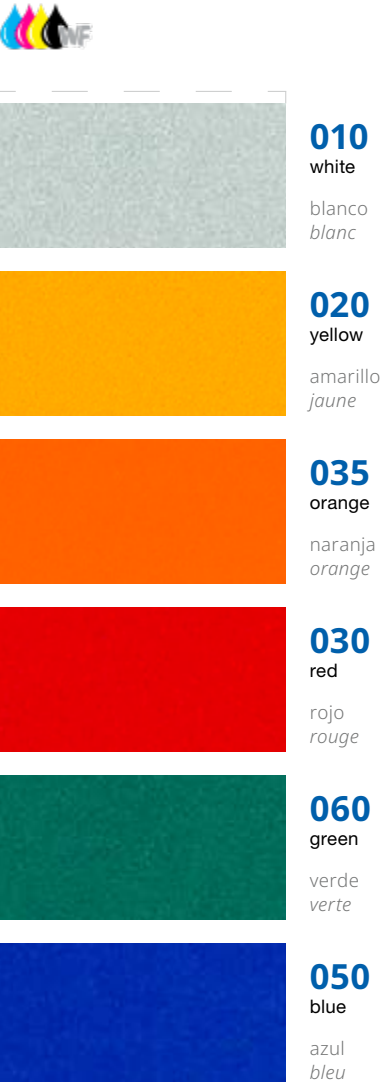
ORALITE®
5400
Commercial Grade

EMERGENCY & FLEET VEHICLE GRAPHICS

**ORALITE® 5650RA
5600RA** // 5600**
Printable, Fleet
Graphic Sheeting

**ORALITE®
V98**
Conformable Prismatic
Graphic Sheeting

**EMERGENCY &
FLEET VEHICLE
GRAPHICS**



Typical Fleet & Vehicle Applications

Ideal for vehicle lettering and striping

Ideal for graphics requiring moderate conformability over rivets, curves or into corrugations

Specifications

ASTM D 4956 For retroreflective sheeting

Association of American Railroad M-947

Adhesive

Clear, Solvent-based

RapidAir for bubble free application

Fastest bonding

MOST Repositionable

Strongest bonding // permanent

Removeable with heat

Other Graphic Applications

Automotive

Emergency Vehicles

DOT and Construction Work Zone Vehicles

Utility Service and Recreational Vehicles

Bus and Ground Transportation Vehicles

Exterior

Municipal Way-finding Signage

Parks and Recreational Area Signage

Industrial and Commercial Signage

Roll Widths

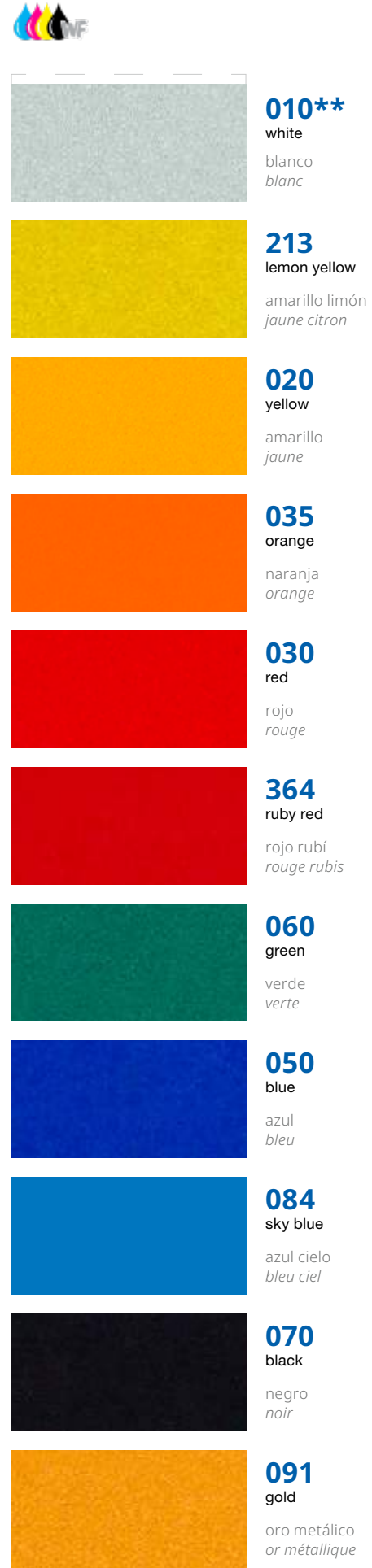
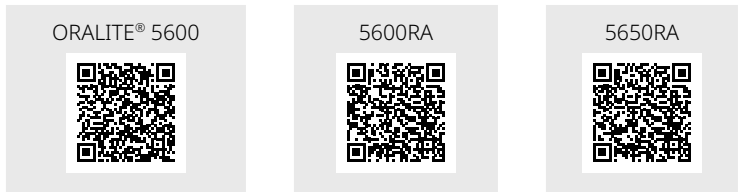
Colors – 15" (punched), 24", 30", 48"

White – 54"

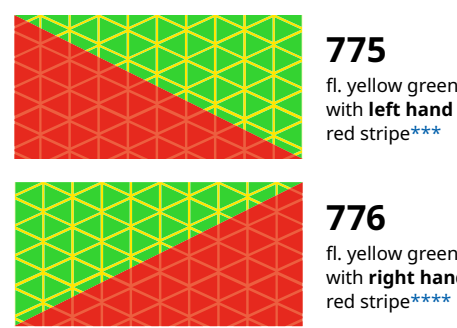
White – 60"

Technical Data

	ORALITE® 5600	ORALITE® 5600RA	ORALITE® 5650RA
010 white	✓	✓	✓
020 yellow	✓	✓	✓
Type I			
035 orange	✓		
030 red	✓	✓	✓
060 green	✓	✓	✓
050 blue	✓	✓	✓
010** white			
020 yellow			
035 orange			
030 red			
060 green			
050 blue			
084 sky blue			
070 black			
091 gold			



**ORALITE® V98
Pre-stripped Chevron**



** ORALITE® 5600RA is **only** available in 010 white

*** Verde fluorescente amarillo con franja roja izquierda

**** Vert jaune fluo avec bande rouge à gauche

Typical Application

Compliance Specification

Printability

Application Surface

Outdoor Durability

ORALITE® V98

Conformable Prismatic Graphic Sheeting / Pre-stripped Chevron

NFPA 1901

112 Fluorescent Yellow-Green and 012 Red only

Automotive paint finishes / flat or simple curves

Outdoor // Medium-term

Up to 5 years

Product Overview

Film Type	12-18-mil
Engineered Matched System™	Clear, Over-Laminate Solutions
	Transparent Color Overlay Solutions
	Opaque Overlay Solutions
Roll Widths	Solid colors 1", 2", 6", 30" Pre-stripped 6", 15", 30", 48"
Roll Lengths	150' (50-yard) 30' (10-yard)
Technical Data	ORALITE® V98 Solid Color Pre-Striped



ORALITE® product mil thickness may vary by color. Please see the backside of this brochure for **Nominal Roll Width Chart** specifying actual material sizes. Splices possible and clearly marked in all ORALITE® products.

TRAFFIC / GUIDANCE / WAY-FINDING SIGN SHEETING

	ORALITE® 5900 (HIP) High Intensity Prismatic	ORALITE® 6700 Engineer Prismatic	ORALITE® 5700 Engineer Grade Premium	ORALITE® 5500 Engineer Grade	ORALITE® 5300 Commercial Grade	ORALITE® 5400 Commercial Grade
Typical Application						 *Printed Decals and Safety Labels
ASTM D 4956 Specification <i>For retroreflective sheeting</i>	Type IV	Type I				Type I
Printability						
Application Surface	aluminium and galvanised steel / flat (or simple curves for ORALITE 5400 only)					
Outdoor Durability	Outdoor // Long-term Up to 10 years	Outdoor // Long-term Up to 7 years				Outdoor // Medium-term Up to 4 years
	Not intended for vehicle graphic applications					

Film Type	9-mil	6-8-mil	5-mil	4-mil	5.3-mil Cast
	ORALITE® 5061 / 5090 / 5095 ORAGUARD® 290 / 290GF	ORALITE® 5062 / 5090 / 5095 ORAGUARD® 290 / 290GF			
ORALITE® 5061	ORALITE® 5061 / 5051				ORALITE® 5052 ORACAL® 8300
ORALITE® 5081 ORACAL® 951	ORALITE® 5071 ORACAL® 751				ORALITE® 5071 ORACAL® 751 / 651
Roll Widths	12.75", 18.65", 24.65", 30.63", 36.65", 48.66"		15" (punched), 24", 30", 48"		15" (punched), 24", 30", 48"
Roll Lengths	150' (50-yard)		150' (50-yard) 30' (10-yard)		150' (50-yard)
Technical Data					

ORALITE® 5900
High Intensity Prismatic (HIP) Grade

Color	Code	Color Name
	010	white / blanco / blanc
	020	yellow / amarillo / jaune
	035	orange / naranja / orange
	030	red / rojo / rouge
	060	green / verde / verte
	050	blue / azul / bleu
	080	brown / marrón / brun

Application Types

- Vehicle & Fleet Graphics
- Outdoor Signage
- Traffic Signs
- Specialty Applications
- Vehicle Conspicuity



ORALITE® 6700
Engineer Grade Prismatic

Color	Code	Color Name
	010	white / blanco / blanc
	020	yellow / amarillo / jaune
	035	orange / naranja / orange
	030	red / rojo / rouge
	060	green / verde / verte
	050	blue / azul / bleu
	080	brown / marrón / brun

Printability Type

- ORALITE® UV Traffic Printer
- Roland DGA® TrafficWorks™ (Eco-solvent) Printer
- ORALITE® 5018 Screen Printing Ink
- Latex
- Thermal Transfer Compatible
- General latex, eco-solvent, UV, and thermal printers



ORALITE® 5700
5500 // 5300
Engineer Grade Premium
Engineer Grade
Commercial Grade

Color	Code	Color Name
	010	white / blanco / blanc
	020	yellow / amarillo / jaune
	035	orange / naranja / orange
	030	red / rojo / rouge
	060	green / verde / verte
	050	blue / azul / bleu
	080	brown / marrón / brun
	070	black / negro / noir

Engineered Matched System™ Components

-



ORALITE® 5400
Commercial Grade

Color	Code	Color Name
	010	white / blanco / blanc
	020	yellow / amarillo / jaune
	035	orange / naranja / orange
	030	red / rojo / rouge
	060	green / verde / verte
	050	blue / azul / bleu

EMERGENCY & FLEET VEHICLE GRAPHICS

Category	ORALITE® 5600	ORALITE® 5600RA	ORALITE® 5650RA
Typical Fleet & Vehicle Applications			
Specifications	ASTM D 4956 For retroreflective sheeting Association of American Railroad M-947		
Adhesive	RapidAir™ for bubble free application Fastest bonding MOST Repositionable Strongest bonding // permanent Removeable with heat		
Other Graphic Applications	Automotive Emergency Vehicles DOT and Construction Work Zone Vehicles Utility Service and Recreational Vehicles Bus and Ground Transportation Vehicles Exterior Municipal Way-finding Signage Parks and Recreational Area Signage Industrial and Commercial Signage		
Roll Widths	Colors – 15" (punched), 24", 30", 48" White – 54" White – 60"		
Technical Data			

ORALITE® product mil thickness may vary by color. Please see the backside of this brochure for Nominal Roll Width Chart specifying actual material sizes. Splices possible and clearly marked in all ORALITE® products.

ORALITE® 5650RA
5600RA** // 5600
Printable, Fleet
Graphic Sheeting

Color	Code	Color Name
	010**	white / blanco / blanc
	213	lemon yellow / amarillo limón / jaune citron
	020	yellow / amarillo / jaune
	035	orange / naranja / orange
	030	red / rojo / rouge
	364	ruby red / rojo rubí / rouge rubis
	060	green / verde / verte
	050	blue / azul / bleu
	084	sky blue / azul cielo / bleu ciel
	070	black / negro / noir
	091	gold / oro metálico / or métallique

ORALITE® V98
Conformable Prismatic
Graphic Sheeting

Color	Code	Color Name
	015	white / blanco / blanc
	018	yellow / amarillo / jaune
	027	green / verde / verte
	023	blue / azul / bleu
	012	red / rojo / rouge
	112	fl. yellow green / verde amarillo fluorescente / vert jaune fluo
	060	green / verde / verte
	050	blue / azul / bleu
	084	sky blue / azul cielo / bleu ciel
	070	black / negro / noir
	091	gold / oro metálico / or métallique

ORALITE® V98
Pre-stripped Chevron

	775	fl. yellow green with left hand red stripe***
	776	fl. yellow green with right hand red stripe****

** ORALITE® 5600RA is only available in 010 white
*** Verde fluorescente amarillo con franja roja izquierda
**** Vert jaune fluo avec bande rouge à gauche

EMERGENCY & FLEET VEHICLE GRAPHICS

Category	ORALITE® V98 Conformable Prismatic Graphic Sheeting / Pre-stripped Chevron
Typical Application	
Compliance Specification	NFPA 1901 112 Fluorescent Yellow-Green and 012 Red only
Printability	
Application Surface	Automotive paint finishes / flat or simple curves
Outdoor Durability	Outdoor // Medium-term Up to 5 years

Product Overview

Film Type	12-18-mil
Clear, Over-Laminate Solutions	ORACAL® 8300
Transparent Color Overlay Solutions	ORAGUARD® 290 / 290GF / 293
Opaque Overlay Solutions	ORACAL® 651 / 751 / 951
Roll Widths	Solid colors 1", 2", 6", 30" Pre-stripped 6", 15", 30", 48"
Roll Lengths	150' (50-yard) 30' (10-yard)
Technical Data	ORALITE® V98 Solid Color Pre-Striped

ORALITE® 5600 and ORAGUARD® 290G Engineered Matched System™



Adhesive Tapes that **Stick & Stay!**

For the Sign & Display Industry

ORABOND™ UHB TAPES
with an Ultra High-Bond

Roland DGA® **TrafficWorks™**



Add a Whole New Source of Revenue to Your Business



TrafficWorks opens your sign shop up to new growth and opportunity. It also offers your construction business, DOT traffic sign suppliers, or other commercial company a simple in-house sign solution. The most versatile solution on the market, TrafficWorks allows your business to create ASTM, MUTCD, and FHwy compliant signage in a uniquely quick and cost-effective manner.

Your total traffic sign printing solution.

Purchase a **COMPLETE KIT** or select the **UPGRADE KIT** to get you producing and profiting in traffic signage. Both kits include ORALITE® 5900 reflective media and ORALITE® 5061 lamination film.

!!! Nominal Roll Width Chart !!!

Standardized Roll Width	Nominal Metric Width	Nominal Imperial Width
Actual sizes for Series 5900/5930		
12 inch	324 mm	12.75"
18 inch	474 mm	18.65"
24 inch	626 mm	24.65"
30 inch	778 mm	30.63"
36 inch	931 mm	36.65"
48 inch	1236 mm	48.66"
Actual sizes for all ORALITE® films except Series 5900/5930		
15 inch	378 mm	14.882"
24 inch	610 mm	24.016"
30 inch	756 mm	29.767"
48 inch	1235 mm	48.622"



Photos courtesy of
Bargersville Fire Department Bargersville, IN (front cover)
ORAFOL® Education Series Wrap Certification Course (back cover)



QUESTIONS

- Application Tips
- Connecting directly with the production manager or graphic installer
- Reporting an Issue or Filing a Claim
- General Product Questions

Contact our

Product Technical Support Team



888-672-2251

dial 3

The phone call is **free** and the **advice is unbeatable!**

techsupport-americas@orafol.com

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905-829-2828 • Toll Free | 888-727-3374

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Engineered to Save Lives™



ORALITE® REFLECTIVE APPLICATIONS

ORALITE® 5600 and ORAGUARD® 290G Engineered Matched System™



FOLLOW US

Adhesive Tapes that **Stick & Stay!**

For the Sign & Display Industry



ORABOND™ UHB TAPES with an Ultra High-Bond

Roland DGA® **TrafficWorks™**

Add a Whole New Source of Revenue to Your Business

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Your total traffic sign printing solution._____

Purchase a **COMPLETE KIT** or select the **UPGRADE KIT** to get you producing and profiting in traffic signage. Both kits include ORALITE® 5900 reflective media and ORALITE® 5061 lamination film.



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Photos courtesy of
Bargersville Fire Department, Bargersville, IN (front cover)
ORAFOL® Education Series Wrap Certification Course (back cover)



ORALITE® REFLECTIVE APPLICATIONS

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