





A dedication to quality is a source of pride for all of us at ORAFOL and it is a key factor in our continued growth & success.

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Dr. Holger Loclair, MD ORAFOL Europe GmbH



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

WORLDWIDE LOCATIONS



We have offices in:

AUSTRALIA · CANADA · CHINA · GERMANY · INDIA · IRELAND · JAPAN · MEXICO · SOUTH AFRICA · TAIWAN · TURKEY · UNITED ARAB EMIRATES · UNITED STATES · WALES



Graphic Innovations

Engineered to Achieve Perfection™

Optic Solutions **Engineered to Manage Light™** Reflective Solutions **Engineered to Save Lives™**

Advanced Polymer Films

Engineered to Deliver Variety™

Adhesive Tape Systems **Engineered to Perform Better™**

Automotive Graphics



The ORAFOL® Digital Inkjet Media Selection Guide outlines our Graphic Innovations division and our wide range of digitally printable vinyl films. Allow the icon system to be your guide as you navigate through each area of application. For complete product information, use the product overview tables on pages 44 – 49.

Adhesive & Film Performance Characteristics

Application Types



Vehicle & Fleet Graphics



Watercraft Wraps



Outdoor Signage



Backlit Signage



Indoor Signage, Exhibits, and P.O.P. Displays



Wall Graphics



Window Graphics



Specialty Applications



Decals

Additional Information



Educational Information



Helpful Tips & Tricks



Need To Know Information

Adhesive Performance Characteristics

Removable Adhesive /// Short-to-medium-term

- Removes cleanly within 2–3 years of application from *most* properly prepared, smooth, sealed surfaces.
- Beyond 3⁺ years, removal properties may diminish and the adhesive may become more permanent.

Permanent Adhesive /// Medium-to-long-term

- Stronger anchoring power when applied to smooth, properly prepared, sealed surfaces.
- May not remove cleanly from the surface

High-tack Permanent Adhesive /// Permanent

- Extremely high-initial-tack and final bond when applied to hard-to-stick low energy plastics and powder coatings.
- May not remove cleanly from the surface

Film Properties

/// GOOD ///	/// BETTER ///	/// BEST ///
Calendered	Cast	Cast 🕖
PVC Film	PVC Film	Urethane Film
Thicker	Thin	Extremely
film type	and flexible	durable
Flat	Long-term	Eco-friendly
surfaces only	applications	film type
When used incorrectly, material	Premium film type	Self-healing properties
may tunnel, delaminate, or "shrink" from the application surface	Perfect for both flat and heavily contoured, curved, recessed surfaces	Will not yellow or crack

Proprietary Technologies



Specially formulated air-egress technology that facilitates a quicker, easier bubble free application.



New advanced repositionable adhesive technology that enables a quick and easy application.





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Image courtesy of Wraptilian & Wraps by SF, in collaboration with Lexus, Artist — VYAL, & VIP Auto Salon. $ORAJET^*$ 3951RA + $ProSlide^*$ with $ORAGUARD^*$ 290.

















Vehicles with **Complex Curves** and Recessed Areas



ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive		Recommended ORAGUARD® Laminate
Premium PVC Wrap Films with Air-Egress Technology						
BETTER /// 3951RA+Pro <i>Slide</i> [™] Premium Digital Printing Cast PVC Professional Wrapping Film with <i>Rapid</i> Air®+Pro <i>Slide</i> ™ Technology with low initial tack	10 years	white now available in transparent	gloss	slideable,	clear (transparent) t-based, permanent, e with heat	289F PVC-Free Optically Clear PU 290 PVC Premium Cast 290F Optically Clear PVC Cast
BETTER /// 3951RA Professional Wrapping Film with <i>Rapid</i> Air® Technology with standard initial tack		white		grey, solvent-based, repositionable, permanent removable with heat		293 Ultra Flexible Premium Cast
Premium PVC Free Polyurathane Wrap Films with Air-Eg	ress Technology	/				
BEST /// 3981RA+ProSlide™	10 years	white	gloss	repositionab	ent-based, le, permanent e with heat	289F PVC-Free Optically Clear PU Think of this digital print media and over-laminate combination as a customizable paint protection film!
ORALITE® Product (Reflective)	Durability (unprinted)	Color	Finish	Adh	esive	Recommended ORAGUARD® Laminate
BEST /// 5600RA Fleet Engineering Grade Reflective Film with <i>Rapid</i> Air® Technology with low initial tack	7 years	white	gloss	repositionabl	rent-based, e, permanent, e with heat	289F PVC-Free Optically Clear PU 2 90 PVC Premium Cast 290F Optically Clear PVC Cast 293 Ultra Flexible Premium Cast



Did you know? Adhesive promoters are not required with any ORAFOL® Wrap Films!



Extreme durability that won't yellow or crack!

Vehicles with Simple Curves and Partial Wraps



ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive (based on color selection)		Recommended ORAGUARD® Laminate
GOOD /// 3551 High Performance Calendered PVC with CommandForm® Technology with standard initial tack	Zvoars	arctic white/ transparent		grey (arctic white)	clear (transparent)	290 PVC Premium Cast 290F Optically Clear PVC Cast
BETTER /// 3551RA High Performance Calendered PVC with <i>Rapid</i> Air® Technology with standard initial tack	rformance Calendered PVC with <i>Rapid</i> Air® arctic white	solvent-based, repositionable, permanent, removable with heat		293 Ultra Flexible Premium Cast 270 PPF Stone Guard Film		
ORALITE® Product (Reflective)	Durability (unprinted)	Color	Finish	Adh	esive	Recommended ORAGUARD® Laminate
GOOD /// 5600 Fleet Engineering Grade Reflective Film*			cl		ent-based,	
BETTER /// 5650RA Fleet Engineering Grade Reflective Film with <i>Rapid</i> Air® Technology with standard initial tack*	7 years	white	gloss	permanent, removable with heat		289F PVC-Free Optically Clear PU 290 PVC Premium Cast 290F Optically Clear PVC Cast 293 Ultra Flexible Premium Cast
BEST /// 5600RA Fleet Engineering Grade Reflective Film with RapidAir® Technology with low initial tack*				clear, solvent-based, repositionable, permanent, removable with heat		





ORAFOL® offers a full range of cleaning and care products, developed for maintenance of ORAFOL® wrapped vehicles.





Watercraft Wraps

ORAJET® Product	Durability (unprinted)	Color	Finish		esive olor selection)	Recommended ORAGUARD® Laminate	
GOOD /// 3551 High Performance Calendered PVC with CommandForm® Technology with standard initial tack		arctic white/ transparent		grey (arctic white)	clear (transparent)	290 PVC Premium Cast 290F Optically Clear PVC Cast	
GOOD /// 3551RA High Performance Calendered PVC with <i>Rapid</i> Air® Technology with standard initial tack	7 years	arctic white		solvent-based, repositionable, permanent, removable with heat		293 Ultra Flexible Premium Cast 270 PPF Stone Guard Film	
BEST /// 3951 Professional Wrapping Film with CommandForm [®] Technology with standard initial tack	8 years	transparent	gloss	repositionab	clear (transparent) t-based, e, permanent, e with heat		
BEST /// 3951RA Professional Wrapping Film with <i>Rapid</i> Air® Technology with standard initial tack		white	white		repositionab	ent-based, le, permanent e with heat	289F PVC-Free Optically Clear PU 290 PVC Premium Cast 290F Optically Clear PVC Cast 293 Ultra Flexible Premium Cast
BEST /// 3951RA+Pro <i>Slide</i> ™ Premium Digital Printing Cast PVC Professional Wrapping Film with <i>Rapid</i> Air®+Pro <i>Slide</i> ™ Technology with low initial tack	10 years	white now available in transparent		repositionab	clear (transparent) t-based, le, permanent e with heat		



Did You Know? ORAGUARD® 289F Stone Guard offers self-healing properties? It won't yellow or crack, delivering extreme protection for your boat wrap!



Image courtesy of PG Nola, New Orleans, Louisiana. ORAJET® 3951RA with ORAGUARD® 290. 田

Build your own Bundle Kit with ORAJET® and ORAGUARD®

Wrap films and overlaminates that deliver SPEED + ACCURACY + DURABILITY!

Now offering 25 yard roll lengths!

> Pair with your preferred **ORAGUARD®** over-laminate!

Contact your ORAFOL® distributor today!



RapidAir + ProSlide¹

Image courtesy of TechnoWraps, Orlando, Florida. ORAJET® 3951RA + ProSlide™ with ORAGUARD® 290G (above). Image courtesy of GT3 Creative, Jamestown, RI. ORAJET® 3951RA + ProSlide™ with ORAGUARD® 290M (bottom right). Image courtesy of PG Nola, New Orleans, Louisiana. ORAJET® 3951RA + ProSlide™ with ORAGUARD® 290G (right).

/// NEW 25 YARD LENGTHS ///								
ORALITE® PRODUCT	ORAJET® PRODUCT	ORAGUARD® PRODUCT						
5600	3551DT	270						
5600RA	3951HT	289F						
5650RA	3951RA+Pro <i>Slide</i> ™	290						
	3981RA+Pro <i>Slide</i> ™	290F						
		293						



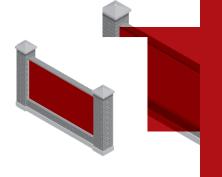






Image courtesy of Visual Dynamics Sign & Image Solutions, Dallas, TX. ORAJET® 3951 Transparent with ORAGUARD® 290. (Printed text onto a continuous clear background).





Long-term Outdoor Signage (7+ Years)

ORAJET® Product	Durability (unprinted)	Color	Finish		esive olor selection)	Recommended ORAGUARD® Laminate
GOOD /// 3551 High Performance Calendered PVC with CommandForm® Technology with standard initial tack	7 years	arctic white/ transparent		grey (arctic white)	clear (transparent)	290 PVC Premium Cast
GOOD /// 3551RA High Performance Calendered PVC with <i>Rapid</i> Air® Technology with standard initial tack	/ years	arctic white		solvent-based, repositionable, permanent, removable with heat		290F Optically Clear PVC Cast 293 Ultra Flexible Premium Cast
BEST /// 3951 Professional Wrapping Film with CommandForm® Technology with standard initial tack	white 290 PV0					
BEST /// 3951RA Professional Wrapping Film with <i>Rapid</i> Air® Technology with standard initial tack		white	gloss	grey, solvent-based, repositionable, permanent removable with heat		289F PVC-Free Optically Clear PU 290 PVC Premium Cast 290F Optically Clear PVC Cast 297GF Optically Clear Cast
BEST /// 3951RA+Pro <i>Slide</i> ™ Premium Digital Printing Cast PVC Professional Wrapping Film with <i>Rapid</i> Air®+Pro <i>Slide</i> ™ Technology with low initial tack	10 years	white now available in transparent				
BEST /// 3981RA+Pro <i>Slide</i> ™		white		repositionab	ent-based, le, permanent e with heat	289F PVC-Free Optically Clear PU

Extreme durability that won't yellow or crack!

Medium-term Outdoor Signage (5 Years)





ORAJET® Product	Durability (unprinted)	Color	Finish		esive olor selection)	Recommended ORAGUARD® Laminate	
GOOD /// 3165 Intermediate Calendered PVC			gloss, matte	grey, solvent-based,			
GOOD /// 3165RA Intermediate Calendered PVC with RapidAir® Technology		white	gloss		anent		
BETTER /// 3169RA Intermediate Removable Calendered PVC with <i>Rapid</i> Air® Technology	5 years			gloss, matte	grey, solvent-based, removable		
BETTER /// 3651 . Wus	5 years whi		gloss, matte, semi-gloss	grey	clear	215 PVC	
Intermediate Calendered PVC		transparent	gloss, matte	(white) (transparent)			
BETTER /// 3651RA Intermediate Calendered PVC with <i>Rapid</i> Air® Technology	white	gloss	grey, solvent-based, permanent		215 DU		
BETTER /// 3691 Intermediate Removable Calendered PVC		Write	gloss, matte	grey, solvent-based, removable			
BEST /// 3551 High Performance Calendered PVC with CommandForm® Technology with standard initial tack		arctic white/ transparent		grey (arctic white)	clear (transparent)		
BEST /// 3551RA High Performance Calendered PVC with <i>Rapid</i> Air® Technology with standard initial tack	7 years	arctic white	gloss	solvent repositionabl removabl e	e-based, e, permanent, e with heat		
ORALITE® Product (Reflective)	Durability (unprinted)	Color	Finish	Adh	esive	Recommended ORAGUARD® Laminate	
GOOD /// 5600 Fleet Engineering Grade Reflective Film*	7 years	white	gloss		ent-based, anent,	290 PVC Premium Cast 290F Optically Clear PVC Cast	
BETTER /// 5650RA Fleet Engineering Grade Reflective Film with <i>Rapid</i> Air® Technologywith standard initial tack*	, years	· · · · · · · · · · · · · · · · · · ·	91000		e with heat	293 Ultra Flexible Premium Ca 297GF Optically Clear Cast	

Short-term Outdoor Signage (4 Years or Less)







ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate
GOOD /// 3258 Semi-Rigid Calendered PVC				grey, solvent-based, permanent	Not necessary
GOOD /// 3621 Soft Calendered PVC		white		grey, water-based, removable	
BETTER /// 3640 Soft Calendered PVC		white, transparent	gloss, matte	clear, water-based, permanent	
BETTER /// 3641 Soft Calendered PVC	4 years	white		grey, water-based, permanent	210 PVC
BEST /// 3164 a Nus Soft Calendered PVC		transparent	gloss	clear, water-based,	
BEST /// 3164RA Soft Calendered PVC with <i>Rapid</i> Air® Technology		white	gloss, matte	permanent	
BEST /// 3164XRA Soft Calendered PVC with <i>Rapid</i> Air® Technology		Wille		grey, water-based, permanent	
ORALITE® Product (Reflective)	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate
BEST /// 5400 Commercial Grade Reflective	4 years	white	gloss	clear, solvent-based, permanent	215 PVC 215 DU

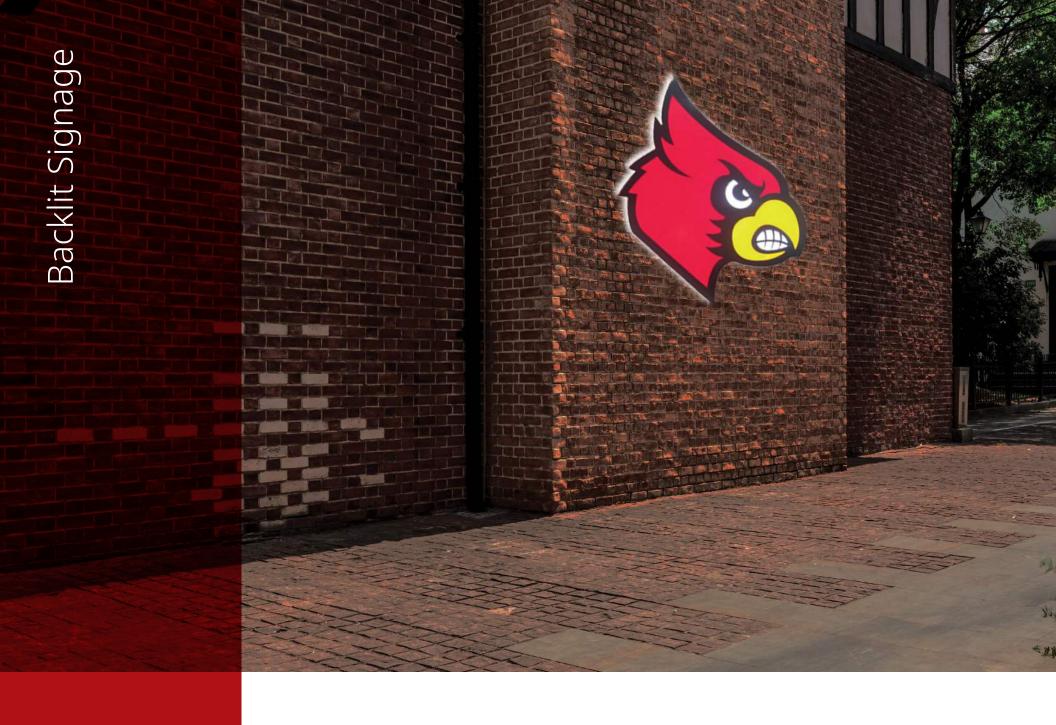
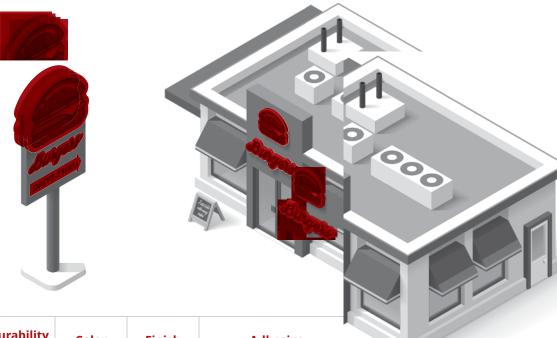


Image courtesy of Ruggles Sign, Versailles, KY. ORAJET® 3850 with ORAGUARD® 215SG.



Long-term Backlit Signage (7+ Years)

ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive	
BETTER /// 3850 Translucent Calendered	7	translucent, white	semi-gloss	clear, solvent-based, permanent	
BETTER /// 3551 High Performance Calendered PVC with CommandForm® Technology with standard initial tack	7 years	transparent	aloss	solvent-based,	289F PVC-Free Optically Clear PU 290 PVC Premium Cast 290F Optically Clear PVC Cast 297F Optically Clear Cast
BEST /// 3951 Professional Wrapping Film with CommandForm® Technology with standard initial tack	8 years	transparent	gloss	repositionable, permanent, removable with heat	



Did You Know? ORAFOL® offers a full range of products for backlit signage, including ORACAL® 8870 Blockout Film, and ORACAL® 8860 and 8830 Diffuser Premium Cast films. Ask your ORAFOL representative for more information!

Extreme durability that won't yellow or crack!

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Medium-term Backlit Signage (5 Years)

ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate
BEST /// 3551 High Performance Calendered PVC with CommandForm® Technology with standard initial tack		transparent	gloss	solvent-based, repositionable, permanent, removable with heat	215 PVC
BEST /// 3850 Translucent Calendered	7 years	translucent	semi-gloss	clear, solvent-based, permanent	215 DU

Short-term Backlit Signage (4 Years or Less)

ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate
GOOD /// 3620 Transparent PVC	2 years	2 years		clear, water-based, removable	
BETTER /// 3640 Soft Calendered PVC	Avoars	white, transparent rears	matte	clear, water-based, permanent	210 PVC
BETTER /// 3164 c7 us Soft Calendered PVC	4 years		gloss		
BEST /// 3651 eALus Intermediate Calendered PVC	5 years	transparent	gloss, matte	clear, solvent-based, permanent	



Translucent vs. Transparent Films

Translucent Films like ORAJET® 3850, are designed to be illuminated by an artificial light source such as fluorescent lamps or LEDs, making it the perfect solution for internally illuminated sign projects such as sign cabinets or channel letters. When using a white acrylic or polycarbonate substrate for illuminated signage, instead consider printing on one of our transparent films, such as ORAJET® 3651, 3551, or 3951.

Transparent Films are designed to work with natural light to simulate a "stained glass" effect without obscuring the background. Transparent print films are quickly becoming the norm when applied to white acrylic and polycarbonate sign faces. Applying our transparent solvent-based adhesive films, using a wet application technique, will provide professional looking, crystal clear results.

ORAFOL has you covered when it comes to Transparent and Translucent print films!



Image courtesy of Gamut Media, Fullerton, CA. ORAJET® 3169RA with ORAGUARD® 210.



















Long-term Indoor Signage (Permanent)

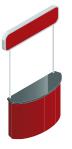
ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate
GOOD /// 3640 Soft Calendered PVC		white, transparent		clear, water-based, permanent	200 Economy PVC 210 PVC 236 PVC-Free
GOOD /// 3641 Soft Calendered PVC		white	gloss, matte	grey, water-based, permanent	
GOOD /// 3164 c AL us Goft Calendered PVC		white			
	4 years	transparent	gloss	clear, water-based,	
GOOD /// 3164RA Soft Calendered PVC with <i>Rapid</i> Air® Technology			gloss,	permanent	
GOOD /// 3164XRA Soft Calendered PVC with <i>Rapid</i> Air® Technology		white	matte	grey, water-based, permanent	

Long-term Indoor Signage (Permanent) continued

ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive (based on color selection)		Recommended ORAGUARD® Laminate
GOOD /// 3174 PVC-Free Digital Media	2 years		gloss	clear, water-based, permanent		236 PVC-Free 🥏
BETTER /// 3258 Semi-Rigid Calendered PVC	4 years	white	gloss,		vent-based, nanent	Not necessary
BETTER /// 3165 Intermediate Calendered PVC		write	matte	grey, solvent-based, permanent		210 PVC
BETTER /// 3165RA Intermediate Calendered PVC with <i>Rapid</i> Air® Technology						210110
BETTER /// 3930 Photoluminescent (glow-in-the-dark)	5 years	light yellow	gloss		vent-based, nanent	293 Ultra Flexible Premium Cast
BEST /// 3651 e Al us		white	gloss, matte semi-gloss	grey (white)	clear (transparent)	
Intermediate Calendered PVC		white/ transparent	gloss, matte	solvent-based, permanent grey, solvent-based, permanent		210 PVC
BEST /// 3651RA Intermediate Calendered PVC with <i>Rapid</i> Air® Technology		white	gloss			

Short-term Indoor Signage (Removable)







ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate	
GOOD /// 3268 Low-Tack Movable Wall Graphics	2 years		matte	clear, water-based,	Not necessary	
GOOD /// 3628 Low-Tack Wall and Window Graphics	3 years	white	matte	removable		
BETTER /// 3621 Soft Calendered PVC	4			grey, water-based, removable	200 Economy PVC 210 PVC 236 PVC-Free	
BETTER /// 3620	4 years	white		clear, water-based,		
Transparent PVC Window Graphics		transparent	gloss,	removable		
BEST /// 3169RA Intermediate Removable Calendered with <i>Rapid</i> Air® Technology	5 years	white	matte	grey, solvent-based,	210 PVC	
BEST /// 3691 Intermediate Removable Calendered PVC	3 years	Wille		removable		



ORAJET® Digital Medias are Latex, Solvent, Eco-solvent, and UV curable* compatible! *ORAJET® 3676 and 3675 are not UV curable compatible.

Floor Graphics

ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive (based on color selection)		Recommended ORAGUARD® Laminate		
Indoor								
GOOD /// 1663 Calendered PVC for Floor Graphics	3 years			clear, solvent-based, removable				
GOOD /// 3641 Soft Calendered PVC	4 years					grey, wat perm	er-based, anent	
GOOD /// 3621 Soft Calendered PVC		white			gloss, matte	grey, wat remo	er-based, vable	
BETTER /// 3165 Intermediate Calendered PVC				grey, solvent-based, permanent		250AS Skid-Resistant PVC 255AS Skid-Resistant PVC for High Load Exposure* *Meets the standards of ASTM D 2047 and BAM StVo \$35 d3 for Skid and Slip Resistance		
BETTER /// 3165RA Intermediate Calendered PVC with <i>Rapid</i> Air® Technology			gloss					
BETTER /// 3169RA Intermediate Removable Calendered with RapidAir® Technology	5 years		gloss, matte	grey, solve remo	ent-based, vable			
BEST /// 3651 c 91 / ₀₅		white	gloss, matte semi-gloss	grey (white)	clear (transparent)			
Intermediate Calendered PVC		transparent	gloss, matte	solvent-based	d, permanent			
BEST /// 3651RA Intermediate Calendered PVC with <i>Rapid</i> Air® Technology		white	gloss	grey, solvent-based, permanent				
Indoor/Outdoor								
BEST /// 3105HT High-tack Calendered PVC Digital Media	5 years	white	gloss	grey, solvent-base commercial grade pavement, s	e carpet, concrete	250AS Skid-Resistant PVC 255AS Skid-Resistant PVC for High Load Exposure* *Meets the standards of ASTM D 2047 and BAM StVo \$35 d3 for Skid and Slip Resistance		



Floor graphic durability is based on stated over-laminate durability located on page 26 or by searching ORAGUARD® 250AS or 255AS at www.orafol.com.





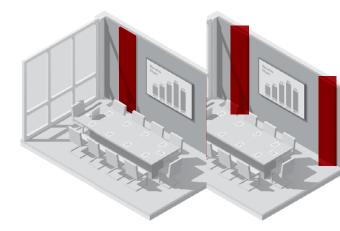
Image courtesy of Car Wrap City, Sherman, TX. ORAJET® 3169RA with ORAGUARD® 210M.

Smooth, Latex Painted Wall Surfaces

ORAJET® Product		Durability (unprinted)	Color	Finish		Adhesive (based on color selection)		Recommended ORAGUARD® Laminate		
Removable Wall Graph	nics									
GOOD /// 3621 Soft Calendered PVC		4 years		gloss,	, matte	grey clear		200 Economy PVC		
GOOD /// 3628 Low-Tack Wall and Window Gra	aphics	3 years					(3628, 3268)	210 PVC		
GOOD /// 3268 Low-Tack Movable Wall Graphi	cs	2 years	white	ma	atte	water-based	d, removable	Not necessary		
BETTER /// 3169RA Intermediate Removable Caler with <i>Rapid</i> Air® Technology	ndered	5 years		gloss, matte		gloss, matte		gloss, matte grey, solvent-based, rer		210 PVC 215 PVC
BEST /// 3691 Intermediate Removable Caler	ndered PVC							215 DU		
Permanent Wall Graph	nics									
GOOD /// 3640* Soft Calendered PVC	GOOD /// 3641* Soft Calendered PVC	4 years	white, transparent	gloss, matte	gloss	grey (3641)	clear (3640, 3174)	200 Economy PVC 210 PVC		
GOOD /// 3174*// PVC-Free Digital Media		2 years	white			water-based	d, permanent	236 PVC-Free 🕖		
BETTER /// 3165* Intermediate Calendered PVC	BETTER /// 3165RA* Intermediate Calendered PVC with <i>Rapid</i> Air® Technology	5 years	white (3165, 3165RA, 3651, 3651RA)	gloss, matte (3165, 3651-transparent)	gloss (3165RA, 3651RA)	grey (3165, 3165RA, 3651-white, 3651RA)	clear (3651-transparent)	210 PVC 215 PVC		
BETTER /// 3651* c	BETTER /// 3651RA* Intermediate Calendered PVC with <i>Rapid</i> Air® Technology	3 years	transparent (3651)	gloss, matte semi-gloss (3651-white)		solvent-base	d, permanent	215 DU		
BEST /// 3551* High Performance Calendered PVC with CommandForm® Technology with standard initial tack	BEST /// 3551RA* High Performance Calendered PVC with RapidAir® Technology with standard initial tack	7 years	arctic white (3551, 3551RA) transparent (3551)	gl	oss	repositionabl	clear (transparent) t-based, e, permanent, e with heat	215 PVC 215 DU 290 PVC Premium Cast 290F Optically Clear PVC Cast 293 Ultra Flexible Premium Cast		

Smooth, **Hard-to-Stick**Latex Painted Wall Surfaces

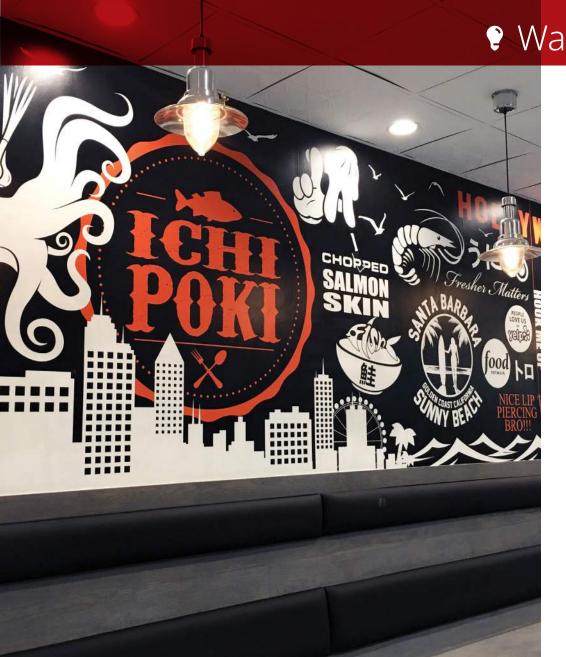




ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate
High-tack Adhesive Wall Graphic Films					
GOOD /// 3164HT* High-tack Calendered PVC Digital Media	4 years	white	gloss, matte	clear, water-based, high-tack	200 Economy PVC 210 PVC
BETTER /// 3105HT* High-tack Calendered PVC Digital Media	5 years			grey, solvent-based, permanent with high initial tack and final adhesion	215 PVC 215 DU
BEST /// 3954* Brick Stone Film	10 years	white	gloss	grey, solvent polyacrylate, permanent	290 PVC Premium Cast
BEST /// 3951HT* PVC-Free Digital Media	7 years			grey, solvent-based, permanent with high initial tack and final adhesion	290F Optically Clear PVC Cast 293 Ultra Flexible Premium Cast



Always inspect wall surfaces and validate material compatibility prior to completing any wall graphic or mural project. Contact the Product Support Team at 912-851-5000 for more details.



Wall Graphic Tips: Hard-to-Stick

Paint Formulation Changes

Over the past several years the paint industry has made significant changes to paint formulations in an effort to make less of an impact on our environment. Additionally, paint formulations are now more durable and have additives designed to repel dirt and moisture. Consequently, this shift has made it more challenging to achieve a successful graphic installation to these new paint formulations.

Pay special attention to paint coatings that are listed as having the following attributes; Low-VOC, Zero-VOC, Hard-to-stick, "Stainblocking", "Washable", or "Scrubbable".

These types of paint coatings may present adhesion challenges between the wall graphic adhesive and the paint coating, and may require the use of an ORAJET® material with solvent-based or high tack adhesive.



Image courtesy of Gamut Media, Fullerton, CA. ORAIET® 3169RA with ORAGUARD® 210.



Interior and **Exterior Textured** Wall Surfaces

ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive		Recommended ORAGUARD® Laminate	
Sealed/Painted Textured Wall Surfaces							
GOOD /// 3551RA High Performance Calendered PVC with <i>Rapid</i> Air® Technology with standard initial tack		arctic white		grey (arctic white)	clear (transparent)		
GOOD /// 3551 High Performance Calendered PVC with CommandForm® Technology with standard initial tack	7 years	artic white/ transparent	_	solvent-based, repositionable, permanent, removable with heat grey, solvent-based, repositionable, permanent, removable with heat		290 PVC Premium Cast 290F Optically Clear PVC Cast 293 Ultra Flexible Premium Cast 289F PVC-Free Optically Clear PU	
BETTER /// 3951RA Professional Wrapping Film with <i>Rapid</i> Air® Technology with standard initial tack	10 years	white	gloss				
BEST /// 3951							
Professional Wrapping Film with CommandForm® Technology with standard initial tack			clear, solvent-based, repositionable, permanent, removable with heat				
Unsealed and Sealed Textured Wall Surfaces							
BEST /// 3954 Brick Stone Film	10 years	white	gloss	J ,	ent-based, nanent	290 PVC Premium Cast 290F Optically Clear PVC Cast 293 Ultra Flexible Premium Cast 289F PVC-Free Optically Clear PU	





Water-based Adhesive

Products with a water-based adhesive, such as ORAJET® 3640, typically are a low-cost solution for either indoor or short-term outdoor graphic applications. Common applications include promotional decals, signage, or wall graphics.

To avoid adhesive bonding issues with the substrate, do not use wet application methods or in low temperature applications.

Solvent-based Adhesive

Products with a solvent-based adhesive, such as ORAJET® 3551, are designed for more demanding and longer term applications. The components of this adhesive are combined using solvents, allowing a structurally stronger adhesive that is more resistant to chemicals, cleaning agents and wider temperature ranges.

Another important attribute is the ability to wet apply graphics without worry of adhesive bonding issues.





Image courtesy of MotoGFX, Beaverton, OR. ORAJET® 3676 with ORAGUARD® 297.

Architectural Window Graphics

ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive (based on color selection)		Recommended ORAGUARD® Laminate	
Removable Window Graphics							
GOOD /// 3620		white		clear, water-bas			
Transparent PVC Window Graphics	4 years	transparent		clear, water-bas	ed, removable	200 Economy PVC 210 PVC	
GOOD /// 3621 Soft Calendered PVC	4 years		gloss matte	grey, water-bas	ed, removable	236 PVC-Free	
BETTER /// 3169RA Intermediate Removable Calendered with <i>Rapid</i> Air® Technology	5 years	white	gloss, matte	grey, solvent-bas	sed removable	210 PVC 215 PVC	
BEST /// 3691 Intermediate Removable Calendered PVC	3 years		grey, solvent-b		sed, removable	215 DU	
Permanent Window Graphics							
GOOD /// 3164 c % us	4 years	white	gloss, matte			200 Economy PVC 210 PVC	
Soft Calendered PVC	-	transparent	clear, water-based, permanent	ed nermanent	236 PVC-Free 🥏		
GOOD /// 3174 PVC-Free Digital Media	2 years	white	gloss	clear, water-based, permanent		236 PVC-Free 🥏	
BEST /// 3676 Perforated Window Graphics PVC (60/40)*	4 years	white (reverse is black)		clear, solvent-bas	sed, permanent	290F Optically Clear PVC Cast 297GF Optically Clear Cast	
BETTER /// 3651 c %\ us	Evene	white	gloss, matte semi-gloss	grey (white)	clear (transparent)	210 PVC 215 PVC	
Intermediate Calendered PVC	5 years	transparent	gloss, matte	solvent-based	, permanent	215 DU	
BETTER /// 3551		arctic white		grey (arctic white)	clear (transparent)	215 PVC	
High Performance Calendered PVC with CommandForm® Technology with standard initial tack	7 years		solvent-based permanent, ren	solvent-based, r permanent, remo	epositionable, vable with heat	215 DU	
BEST /// 3952F Optically Clear Digital Printing Film	/ years	transparent	gloss	clear, solvent-based, semi-permanent (removable with heat or steam)		252F New	
BEST /// 3951	10 years	white		grey (white)	clear (transparent)	290 PVC Premium Cast	
Professional Wrapping Film with CommandForm® Technology with standard initial tack	8 years	transparent		solvent-based, r permanent, remo	epositionable, vable with heat	290F Optically Clear PVC Cast 293 Ultra Flexible Premium Cast	

*ORAJET® 3676 and 3675 are not UV curable print compatible.





Vehicle Perforated Window Graphics

ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate
3675 Perforated Window Graphics PVC (50/50)*	Avoors	white		clear, solvent-based,	290F Optically Clear PVC Cast
3676 Perforated Window Graphics PVC (60/40)*	4 years	(reverse is black)	gloss	permanent	297GF Öptically Clear Cast



Bus and subway train windows utilize ORAJET® 3676. Commuter and fleet windows utilize ORAJET® 3675.







Inside View

The Magic of Window Perf

ORAJET® 3675 (50/50) and ORAJET® 3676 (60/40) are two of the longest lasting perforated window films on the market, when laminated with ORAGUARD® 297GF Optically Clear over-laminate.

ORAGUARD® 297GF is a thicker over-laminate, 2.75-mil, specifically designed for window perf applications. Series 297GF is less prone to collapsing into the perforated holes, which decreases the chance of material punctures or the collection of dirt and moisture. That means better visibility for you!

Perforated window graphics are perfect for businesses that require more branded store front communication, but are limited by signage ordinances. Window graphics are typically not included in local signage ordinances.



ORAJET® 3675 has 50% printable area. ORAJET® 3676 has a 60% printable area.

Image courtesy of Megan Kranzler. ORAJET® 3676 with ORAGUARD® 297GF.





Image courtesy of Tri-City Kustomz, Saginaw, MI. ORAJET® 3951HT with ORAGUARD® 290.







Low Temperature Applications (For application temperatures between 50°F/10°C and 23°F/-5°C)

ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate
GOOD /// 3161DT Low Temperature Soft Calendered PVC	4 years	white		clear, solvent-based,	200 Economy PVC 210 PVC 215 PVC 215 DU
BETTER /// 3551DT Low Temperature Ultra-Calendered PVC	7 years	arctic white	gloss	permanent	215 PVC 215 DU 290 PVC premium Cast 290F Optically Clear PVC Cast 293 Ultra Flexible Premium Cast

















Decals







ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate
GOOD /// 3258 Semi-Rigid Calendered PVC		white	gloss, matte	grey, solvent-based, permanent	Not necessary
BETTER /// 3164 Soft Calendered PVC	4 years	white/	gloss,	clear, water-based, permanent	210 PVC (optional) 215 PVC (optional)
BEST /// 3164HT High-tack Calendered PVC		transparent	gloss, matte gloss, matte/ gloss	clear, water-based, permanent with high initial tack and final adhesion	215 DU (optional)
ORALITE® Product (Reflective)	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate
BEST /// 5400 Commercial Grade	4 years	white, yellow, orange, red, green, blue	gloss	clear, solvent-based, permanent,	215 PVC (optional) 215 DU (optional)







Industrial Labels

ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate	
GOOD /// 3164HT	4 years	white	gloss, matte	clear, water-based, permanent with high initial	215 PVC c N us	
High-tack Calendered PVC	4 years	transparent	gloss	tack and final adhesion	ZIJ FVC tirmius	
GOOD /// 3930 Photoluminescent (glow-in-the-dark)		light yellow	gloss	clear, solvent-based, permanent	293 Ultra Flexible Premium Cast	
BETTER /// 3651RA Intermediate Calendered PVC with <i>Rapid</i> Air® Technology	- F.v	white	gioss	grey, solvent-based, permanent		
BETTER /// 3651 c% us	5 years		gloss,matte semi-gloss	grey, solvent-based, permanent		
Intermediate Calendered PVC		transparent	gloss, matte	clear, solvent-based, permanent		
BETTER /// 3105HT c Nus High-tack Calendered PVC		white	gloss	grey, solvent-based, permanent with high initial tack and final adhesion	215 PVC 6 %1 08	
BEST /// 3164 a Nus Soft Calendered PVC	_	white	gloss, matte	clear, water-based, permanent	215 DU	
BEST /// 3164RA	4 years			clear, water-based,		
Soft Calendered PVC with <i>Rapid</i> Air® Technology		transparent	gloss	permanent		
BEST /// 3164XRA Soft Calendered PVC with <i>Rapid</i> Air® Technology		white	gloss, matte	grey, water-based, permanent		
ORACAL® Product	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate	
BEST /// 820 Safety Vinyl (Anti-Tamper Vinyl)	5 years	white	gloss, matte	solvent-based, permanent	Not necessary	







Photoluminescent (Glow-in-the-Dark)

ORAJET® Product	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate
BEST /// 3930 Photoluminescent	5 years	light yellow	gloss	clear, solvent-based, permanent	293 Ultra Flexible Premium Cast

Tamper-Evident Applications

ORACAL® Product	Durability (unprinted)	Color	Finish	Adhesive	Recommended ORAGUARD® Laminate
BEST /// 820 Safety Vinyl (Anti-Temper Vinyl)	5 years	white	gloss, matte	solvent polyacrylate, permanent	Not necessary





ORACAL® 820 is designed to be very difficult to remove which makes it perfect for tamper evident parking decals and regulated industrial and safety labels.







ORAJET® 3930 Photoluminescent, or glow-in-the-dark, film can be used for many different applications including:

- Indoor safety and regulatory signage in hospitals, office buildings, schools, movie theaters, railroad engines, etc.
- Creative graphic applications in bowling alleys, arcades, and laser tag venues.

So, how does it work?

The material needs to be charged by a light source for approximately 30-60 minutes. The material will appear to glow brightest in pitch black room conditions. Glow time varies depending on the amount of charge received from a light source.

The material will glow for approximately 6-8 hours before needing to be recharged by a light source. The amount of glow will typically dim and extinguish during this 6-8 hour period.

Special Consideration:

Only the non-printed or lightly printed areas of the ORAJET® 3930 Photoluminescent film will glow. This material can be Solvent, Eco-Solvent, Latex, and UV Printed. Match this material with ORAGUARD® 293 for added graphic protection.

ORAJET® Product	Durability (unprinted)	Thickness	Standard Widths	Standard Lengths	Color	Finish	Adhesive	Release Liner	Application	
<i>Rapid</i> Air®+Pro <i>Slide</i> ™—Low Initial-	Tack with A	ir-Egress Te	chnology							
3981RA + Pro Slide™ Premium Digital Printing Polyurethane (PU) Wrapping Film with RapidAir® + Pro Slide™ Technology with low initial tack	10	2 !!	54", 60"	150' (50-yard) 75' (25-yard)	white		grey, solvent-based, repositionable, permanent removable with heat	88# PE-coated silicone paper featuring <i>RapidAir®</i> + ProSlide™	←	
3951RA + ProSlide™ Premium Digital Printing Cast PVC Professional Wrapping Film with apidAir®+ProSlide™ Technology with low initial tack	10 years	2-mil	30", 50", 54"*, 60" *10-yard only	150' (50-yard) 30' (10-yard) 75' (25-yard)	white now available in transparent	gloss	grey clear (white) (transparent) solvent-based, slideable, permanent, removable with heat	technology to facilitate quicker, easier application	<i>←</i>	
<i>Rapid</i> Air® — Standard Initial-Tack w	ith Air-Egre	ess Technol	ogy							
3951RA Professional Wrapping Film with <i>Rapid</i> Air* Technology with standard initial tack	10 years	2-mil	30", 50", 54", 60"	150' (50-yard) 30' (10-yard)* *54" only	white	gloss	grey, solvent-based, repositionable, permanent removable with heat	88# PE-coated silicone paper featuring <i>Rapid</i> Air® technology to facilitate quicker, easier application	← ■ ★	
Non-Air-Egress										
3951 Professional Wrapping Film with CommandForm® Technology	10 years		15" (punched), 30", 36", 50",	150' (50-yard) 30' (10-yard)*			grey clear (10 years) (8 years)		A	
with standard initial tack	8 years	54", 60" *54" only				solvent-based, slideable, permanent, removable with heat				
3951HT High-tack Calendered PVC	7 years	2-mil	30"*, 54" *25-yard only	150' (50-yard) 75' (25-yard)	white		grey, solvent-based, permanent with high initial tacl and final adhesion	88# PE-coated silicone paper	* ^	
3954 Brick Stone Film	10 year	54"	150' (50-yard) 30' (10-yard)		gloss	grey, solvent polyacrylate, permanent				
3930 Photoluminescent	5 years	6-mil	54	25M (27.3-yard) 10M (10.9-yard)	light yellow		clear, solvent-based, permanent			
3952F NEW Optically Clear Digital Print Film	7 years	2-mil	54", 60"	150' (50-yard) 75' (25-yard)	transparent		optically clear, solvent-based, semi-permanent	2.95 mil silicone coated polyester film	田	
ORALITE® Product (Reflective)	Durability (unprinted)	Thickness	Standard Widths	Standard Lengths	Color	Finish	Adhesive	Release Liner	Application	
5650RA Fleet Engineering Grade Reflective Film with RapidAir® Technology with standard initial tack*		5-mil (average)	15" (punched)*, 24", 30", 48", 54", 60" *50-yard and 10-yard only			clear, solvent-based, permanent, removable with heat		88# PE-coated silicone paper featuring <i>Rapid</i> Air®	_	
5600RA Fleet Engineering Grade Reflective Film with RapidAir® Technology with low initial tack*	7 years	6-mil (average)	24", 48", 54"	150' (50-yard) 30' (10-yard) 75' (25-yard)			clear, solvent-based, repositionable, permanent, removable with heat	technology to facilitate quicker, easier application	←	
5600 Fleet Engineering Grade Reflective Film*		5-mil (average)	15" (punched)*, 24", 30", 48", 54", 60" *50-yard and 10-yard only		white	gloss	clear, solvent-based, permanent, removable with heat	88# PE-coated	←	
5400 Commercial Grade	4 years	3.5-mil	15" (punched), 24", 30", 48"	150' (50-yard)			clear, solvent-based, permanent	oo# rc-coated		

ORAJET® Product	Durability (unprinted)	Thickness	Standard Widths	Standard Lengths	Color	Finish	Adhesive	Release Liner	Application		
3850 Translucent Calendered	7 years	3-mil	30", 50", 54", 60"	150' (50-yard) 30' (10-yard)* *54" only		semi-gloss	clear, solvent-based, permanent	88# PE-coated silicone paper	J š		
3691 Intermediate Removable Calendered PVC	5 years	2.75-mil	54", 60"	150' (50-yard)	white	gloss, matte	grey, solvent-based, permanent				
3676 Perforated Window Graphics PVC (60/40)	4 years	5.5-mil	24", 30",	", 150' (50-yard) white clear, solvent-based.		150′ (50-yard)			clear, solvent-based,		\Box
3675 Perforated Window Graphics PVC (50/50)	4 years	3.3-11111	54", 60"	30' (10-yard)	(reverse is black)	gloss	permanent		ш		
3651RA Intermediate Calendered PVC with <i>Rapid</i> Air® Technology			50", 54", 60"		white		grey, solvent-based,				
2654 71	5 years		15", 30", 36", 50", 54", 60"		writte	gloss, matte, semi-gloss* *(30", 36", 54", 60" only)	permanent				
3651 c Nus Intermediate Calendered PVC		2.75-mil	30", 36", 50", 54", 60"	150' (50-yard)	transparent	gloss, matte* *(30″, 54″, 60″ only)	grey (lear (matte finish) (gloss finish) solvent-based, permanent				
3551RA High Performance Calendered PVC with <i>Rapid</i> Air® Technology with standard initial tack		2.75-11111	30", 50", 54", 60"		arctic white		grey, solvent-based, repositionable, permanent				
3551 High Performance Calendered PVC	7 years		30", 36", 54", 60"			gloss	grey clear (arctic white) (transparent)		<i>←</i> > =		
with CommandForm® Technology with standard initial tack	, years		30", 54", 60"		transparent	9,033	solvent-based, repositionable, permanent, removable with heat	permanent, with heat nt-based,			
3551DT Low Temperature Ultra-Calendered PVC			54"	75' (25-yard)	arctic white		clear, solvent-based, permanent				

ORAJET® Product	Durability (unprinted)	Thickness	Standard Widths	Standard Lengths	
3641 Soft Calendered PVC			30", 50", 54", 60"		
3640 Soft Calendered PVC	4 years		30", 50", 54", 60", 80"		
3628 Low-Tack Wall and Window Graphics	3 years	3-mil	30", 54", 60"	150' (50-yard)	
3621 Soft Calendered PVC			30", 36", 50", 54", 60", 80"		
3620 Transparent PVC Window Graphics	4 years		30", 50", 54", 60", 80"		
3258 Semi-Rigid Calendered PVC		C mail	2011 5 411 6 011	100' (33.33-yard)	
3268 Low-Tack Movable Wall Graphics	2	6-mil	30", 54", 60"		
3174 PVC-Free Digital Media	2 years		54"		
3169RA Intermediate Removable Calendered with <i>Rapid</i> Air® Technology			54", 60"		
3165RA Intermediate Calendered PVC with <i>Rapid</i> Air® Technology	5 years				
3165 Intermediate Calendered PVC			30", 54", 60"	150' (50-yard)	
3164HT High-tack Soft Calendered PVC					
3164XRA Soft Calendered PVC with <i>Rapid</i> Air® Technology		4-mil	30", 50",		
3164RA Soft Calendered PVC with <i>Rapid</i> Air® Technology	4 years		54", 60"		
3164 c N us Soft Calendered PVC			30", 50", 54", 60", 80"		
3161DT Low Temperature Soft Calendered PVC			54"	75' (25-yard)	
3105HT High-tack Calendered PVC	5 years	-	30", 54", 60"	150' (50-yard)* 30' (10-yard) *(60" only)	
1663 Calendered PVC for Floor Graphics	3 years	4.25-mil	30", 36", 50", 54", 60"	150' (50-yard)	
ORACAL® Product	Durability (unprinted)	Thickness	Standard Widths	Standard Lengths	
820 Safety Vinyl (Anti-Tamper Vinyl)	5 years	2-mil	40", 55" sheet sizes available by special order	165' (55-yard)	

Color	Finish	Adhesive	Release Liner	Application
white		grey, solvent-based, permanent		
white, transparent	gloss, matte	clear, water-based, permanent		
white	matte	clear, water-based, removable	83# PE-coated silicone paper 89# PE-coated silicone paper 83# PE-coated silicone paper 83# PE-coated silicone paper 88# PE-coated silicone paper 88# PE-coated silicone paper	
willte		grey, water-based, removable		
transparent	gloss, matte	clear, water-based, removable		田郎
		grey, solvent-based, permanent		
	matte	clear, water-based, removable		
white	gloss	clear, water-based, permanent	silicone paper	1111
write	gloss, matte	grey, solvent-based, removable		
	gloss	grey, solvent-based, permanent	88# PE-coated silicone paper	
		grey, solvent-based, permanent		l tu
white, transparent	1	clear, water-based, permanent with high initial tack and final adhesion		•
1.6	gloss, matte	grey, water-based, permanent	89# PE-coated	
white		clear, water-based, permanent	silicone paper	ii
transparent* *(54" only)	gloss	clear, water-based, permanent	83# PE-coated	
	alace	clear, solvent-based, permanent	silicone paper	★ =
white	gloss	grey, solvent-based, permanent with high initial tack and final adhesion		* ^
	gloss, matte* *(30", 50", 54", 60")	clear, solvent-based, removable		M
Color	Finish	Adhesive	Release Liner	Application
white	gloss, matte	solvent polyacrylate, permanent	88# PE-coated release paper on both sides	*



Use the nominal width and length chart below to order the correct roll size for your printer.

/// WIDTH CHART ///

Width Description	Standard Metric Width	Actual US Converted Width
15"	378 mm	14.882"
24"	610 mm	24.016"
30"	756 mm	29.767"
36"	914 mm	35.980"
40"	1016 mm	40.000"
48"	1260 mm	49.607"
50"	1270 mm	50.000"
54"	1370 mm	53.937"
60"	1520 mm	59.843"
80"	2000 mm	78.740"

/// LENGTH CHART ///

Length Description	Standard Metric Length	Actual US Converted Length
10 yard	9.14 meters	30 feet
25 yard	23 meters	75 feet
50 yard	46 meters	150 feet

ORAGUARD® Product	Base Material	Durability (vertical exposure)	UV Protection Extension Factor	Forward/Reverse Wound (FW/RW)	Thickness
Cast					
297GF Optically Clear Premium Cast PVC				FW	2.75-mil
293 Ultra Flexible Cast PVC	PVC	Queere	At voors	RW	1-mil
290F Optically Clear Premium Cast PVC	PVC	8 years	4⁺ years	FW	
290 Premium Cast				RW	2!!
289F PVC-Free Optically Clear PU	polyurethane	10 years	5 ⁺ years	RW	2-mil
252F NEW Enhanced Optically Clear Premium Cast PVC	PVC	8 years	4⁺ years	RW	
Paint Protection Film					
270 Economical PPF Stone Guard Film	PVC	5 years	N/A	FW	6-mil
Calendered					
236 PVC-Free	polypropylene	2 years	1 ⁺ years	FW	2.5-mil
215DU* UV Print Laminating Film		5 years	3 ⁺ years	RW	3-mil
215 PVC Laminating Film	PVC	3 years	3 years	RW	3-11111
210 PVC Laminating Film	FVC	4 years	2⁺ years	RW	2.5-mil
200 Economy PVC		2 years	1 ⁺ years	RW	2.5-11111
Textured, Anti-Skid Floor Graphic Lami	nate				
255AS Skid-Resistant PVC for High Load Exposure	PVC	6 months	N/A	FW	6.5-mil
250AS Skid-Resistant PVC	1 40	3 months	IWA	FW	4.75-mil

[⊘] Very stable and won't shrink! (ORAGUARD® 236)

Standard Widths	Standard Lengths	Color	Finish	Adhesive	Release Liner	Application
24", 30", 54"					1.4-mil silicone coated polyester film	
	150' (50-yard) 75' (25-yard) 30' (10-yard)		gloss		55# coated silicone paper	← ♠ ⊞ ★
24", 30", 36", 50", 54", 60"		transparent		clear, solvent-based,	1.6-mil silicone coated polyester film	
	150' (50-yard)* 75' (25-yard) 30' (10-yard) *matte finish only	transparent	matte	permanent	1.4-mil silicone coated	
30", 54", 60"	150' (50-yard) 75' (25-yard)* 30' (10-yard) *54" and 60" only		aless		polyester film	~
54", 60"	150' (50-yard) 75' (25-yard)		gloss		2.95-mil silicone coated polyester film	⊞
24", 30", 50", 60"	75' (25-yard) 30' (10-yard)	transparent	gloss	clear, solvent-based, permanent	84# kraft paper, siliconized on one side	← ★
54"			gloss, matte	clear, water-based, permanent		F
54", 60"			gioss, matte			
	150' (50-yard)	transparent		clear, solvent-based,	55# coated silicone paper	
30", 36", 50", 54", 60"			gloss, semi-gloss, matte	permanent		
						P. S.
36", 50", 54"	150' (50-yard)	transparent	raised, skid-resistant, textured surface	clear, solvent-based, permanent	55# coated silicone paper	

Splice Free Guarantee

ORAFOL's digital printing materials are manufactured in the industry's most advanced computer-controlled facilities, assuring you of consistent, splice-free quality from roll-to-roll.

Storage and Handling

The self-adhesive products, ORACAL®, ORAJET®, ORAGUARD®, ORABOND™, ORALITE®, and ORALUX® are supplied in rolls and should, at all times, be stored suspended or standing on end with provided roll blocks. **NEVER** store material lying on it's side. Materials should be kept in a cool dry place. For optimal product performance, relative air humidity should be between 50% and 60% and temperature between 64°F and 72°F. Avoid storing material in direct sunlight, or near excessive heat (i.e. radiators). Please observe the shelf life instructions contained in the technical data sheet available for each film at www.orafol.com.

Instructions for Printing

Digitally printed materials should be handled with the utmost care. To prevent surface damage use lint-free gloves. Before printing, check the surface quality of the film to remove obvious film damage, dirt, grime, lint, etc. For best results, use the correct ICC profile based on your specific combination of media, ink, printer and RIP software. For *FREE* color profiles, visit the Support section of the ORAFOL Americas website.

Don't forget to match the digital media with the recommended laminate.

Lamination

Lamination of inkjet prints is recommended to ensure longer lifespan at optimum quality (gloss, color, resistance to physical damage). ORAGUARD® laminate films enhance the desired appearance of the graphic (gloss, matte, semi-gloss). They also provide excellent protection against fading from exposure to UV rays. To avoid delamination, edge curling, and adhesive failure, allow solvent printed graphics to outgas for at least 24 hours at 70°F (48-72 hours), before trimming or applying a laminate.

ORALIFE™ Component **System Warranty**

Up to 8 Years of Protection for your Printed Graphics The ORALIFE™ Component System (OCS) warranty from ORAFOL Americas includes specially matched media and laminates to fit almost any graphic application where a pressure-sensitive adhesive is needed. Combined with your approved wide-format inkjet printer and corresponding OEM ink sets, the OCS warranty can help you achieve an unrivaled level of performance and guaranteed reliability for your outdoor digital prints. For more information and enrollment forms, visit our website at

www.orafol.com.

Product Technical Support

Our product experts are ready to help you.

Call our knowledgeable Technical Support team for advice about product choice, color management, application techniques, care and maintenance and much, much more. For exceptional technical expertise call 888-672-2251.

Compatibility and Expected Durability Guide

OCS Warranty (based on vertical exposure)		OCS 8™ ar durability	,		S 7 ™ durability	OCS 6™ 6 year durability																										OCS 3™ ear durability														
Qualified ORAJET® and ORALITE® Media	3981RA	3981RA+ Pro <i>Slide™</i>	3951	3951RA	3951RA+ Pro <i>Slide™</i>	3952F	3850	3551	3551RA	3551DT	5600RA	5650RA	2600	305/1	3850	2501	2091	3031 3661BA	2021RA	3551RA	2551DT	101665	SIBSKA	3165RA	3165	3641	3640	3620	3621	3169RA	3165	3165RA	3164	3164RA	3164XRA	3164HT	3161DT	5400	3951RA	3951	3751RA	3676	3675	3621	3620	3551RA
Recommended Applicati	ons																																													
Fleet/Vehicle Graphics (complex & moderate curves)	•	•		•	•																																									
Fleet/Vehicle Graphics (simple curves)	•	•	•	•	•			•		•	•	•	•																																	
Short-term promotional																										•	•	•	•	•	•	•	•	•	•	•	•									
Indoor Signage, P.O.P., Smooth Walls and Exhibit																		.	. .			•		•		•	•		•	•	•	•	•	•	•	•										
Outdoor Signage	•	•		•	•			•	•		•	•	•									•			•	•	•	•	•	•	•	•		•		•		•								
Backlit Signage			•				•	•							•			•	•																											
Window Graphics						•										•				•	•	•	•	•	•					•	•	•										•	•	•	•	
Boat/Water Craft																																							•	•	•					•
Textured Wall Graphics														•																																
Recommended ORAGUAI	RD®	Laminat	e																																											
210																										•	•	•	•	•	•	•	•	•	•	•	•							•	•	
215/215DU															•	•				•	•	•	•	•	•													•								
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