

Series	Description	Typical Application	Standard Size		Extension Factor of UV Protection	Colors/ Finish	Thickness	Adhesive	Release Liner
			width	length					
200	2 Year Economy PVC Film	Economy laminate, indoor and outdoor protection. Flat application ONLY.	30", 36", 40", 50", 54", 60"	150' (50 yards)	+1 years	Transparent/ G, SG, M	2.5 mil	Clear, water-based, permanent	Silicone-coated 55# paper
210	4 Year PVC Film	Indoor and outdoor protection. Ideal for medium-term graphics. Flat application ONLY.	30", 36", 40", 50", 54", 60"	150' (50 yards)	+2 years	Transparent/ G, SG, M	2.5 mil	Clear, solvent-based, permanent	Silicone-coated 55# paper
215	5 Year PVC Film	Indoor and outdoor protection. Ideal for medium- to long-term graphics. Flat application ONLY.	30", 36", 40", 50", 54", 60"	150' (50 yards)	+3 years	Transparent/ G, SG, M	2.75 mil	Clear, solvent-based, permanent	Silicone-coated 55# paper
240	7 Year Polyvinyl Fluoride Film	Anti-graffiti film. Designed for high-quality protection of large-format digital prints in outdoor applications.	30", 36", 40", 50", 54", 60"	150' (50 yards)	+5 years	Transparent/ High Gloss	1 mil	Clear, solvent-based, permanent	Silicone-coated 55# paper
250 AS	2 Year PVC Film	Suitable for indoor floor graphics protection. Recommended for Series 1663 film. Meets ASTM D 2047 & BAM StVo §35 d3	36", 40", 50", 54"	150' (50 yards)	Not Applicable	Transparent/ Raised Non-Skid Texture	4.75 mil	Clear, solvent-based, permanent	Silicone-coated 55# paper
255 AS	2 Year PVC Film	Suitable for indoor protection of floor graphics exposed to very high loads. Meets ASTM D 2047 & BAM StVo §35 d3	36", 40", 50", 54"	150' (50 yards)	Not Applicable	Transparent/ Raised Non-Skid Texture	6.5 mil	Clear, solvent-based, permanent	Silicone-coated 53# paper
290	8 Year Premium PVC Cast Film	Recommended for indoor and outdoor conformable fleet and other large graphic applications.	30", 36", 40", 50", 54", 60"	150' (50 yards)	+4 years	Transparent/ G, M	2 mil	Clear, solvent-based, permanent	Silicone-coated 53# paper
290GF	8 Year Optically Clear PVC Cast Film	Recommended for indoor and outdoor conformable fleet and other large graphic applications.	24", 30", 36", 40", 50", 54", 60"	150' (50 yards) & 30' (10 yards)	+4 years	Transparent/ G	2 mil	Clear, solvent-based, permanent	Silicone-coated polyester film 1.6 mil
293	8 Year Ultra Flexible Cast PVC Film	Recommended for protection of Series 3551/3551RA and Series 5600.	30", 36", 40", 50", 54", 60"	150' (50 yards)	+4 years	Transparent/ G	1 mil	Clear, solvent-based, permanent	Silicone-coated 55# paper
297GF	8 Year Optically Clear PVC Cast Film	Recommended for protection of Series 3675 and 3676 perforated Window Graphic Films.	24", 30", 54"	150' (50 yards) & 30' (10 yards)	+4 years	Transparent/ G	2.75 mil	Clear, solvent-based, permanent	Silicone-coated polyester film 1.4 mil

**NOTE: Rated outdoor life expectancy based on accepted application procedures and vertical surface exposure.**

**RECOMMENDED LAMINATES**

 \*\*Applications using 3951/3951RA laminated with 293 are recommended for highly experienced vehicle wrap installers **ONLY**.

Product Series	ORAGUARD® 200	ORAGUARD® 210	ORAGUARD® 215	ORAGUARD® 240	ORAGUARD® 250AS	ORAGUARD® 255AS	ORAGUARD® 290	ORAGUARD® 290F	ORAGUARD® 293	ORAGUARD® 297F
3951							■	■	**	
3951RA							■	■	**	
3951HT							■	■	■	
3880			■ ■							
3850			■	■			■	■	■	
3691		■ ■	■	■						
3676										■
3675										■
3651		■ ■	■	■						
3641	■ ■	■		■						
3640	■ ■	■		■						
3628	■ ■	■ ■		■						
3621	■ ■	■		■						
3620	■ ■	■								
3551			■				■	■	■	
3551RA			■				■	■	■	
3551DT			■				■	■	■	
3268	■ ■	■ ■		■						
3165		■ ■	■	■						
3165RA		■ ■	■	■						
3164	■ ■	■		■						
3161DT	■	■								
3109			■	■			■	■	■	
1663					■	■				
5600									■	

Match Recommended Laminate to Application by Color

- FLEET/VEHICLE GRAPHICS
- INDOOR SIGNAGE/P.O.P/EXHIBIT
- BACKLIT SIGNAGE
- SPECIALTY
- SHORT-TERM PROMOTIONAL
- OUTDOOR SIGNAGE
- WINDOW GRAPHICS-VEHICLE & ARCHITECTURAL

 For the most up to date information log on to our website at [www.oracal.com](http://www.oracal.com)

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