



ARLON

▶ DPF 4600LX Vinyl Film

With X-Scape Technology

High Performance, Digital Print Pressure-Sensitive Vinyl Film

DPF 4600LX is constructed of a 3.2 mil (80 micron) white gloss high performance film with a repositionable tinted adhesive system. The repositionable light gray adhesive allows for easy installation while ensuring enough opacity for covering up existing graphics or dark substrates. The new LX low profile X-Scape Technology provides installers the benefit of a bubble free installation combined with a smooth printed surface that doesn't show the pattern through the print. DPF 4600LX works great for vehicle graphics and wraps. DPF 4600LX is rated for outdoor durability up to 5 years (unprinted). Printed durability is dependent on the ink system used.

APPLICATIONS & FEATURES

- Printable on Solvent, Eco-Solvent, Latex and UV digital printers.
- Great for medium-term vehicle graphics with soft curves.
- Recommended laminate: Series 3220, Series 3210, Series 3410* or Series 3420.

Certified for
HP Latex Inks

PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	80% to 90%	
THICKNESS	Micrometer, Federal Bench Type	3.2-mil (80 micron)	
TENSILE STRENGTH	Tensile Tester 2-in (51mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s)	≥ 14 lb/in	≥ 2.5 kg/cm
ELONGATION	Instron Tensile Tester as above	≥ 180%	
SHELF LIFE	Free from excessive moisture, temperature, direct sunlight	1 year from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	60°F to 80°F	10°C to 32°C
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-20°F to 150°F	-29°C to 65°C
DIMENSIONAL STABILITY	Shrinkage After 158°F (70°C), 48 hours aging	15 mil	0.38 mm
PEEL ADHESION	PSTC-1, 15 min, RT 70°F (21°C)	≥ 3.9 lb/in	≥ 0.70 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	70 g/2 in	14 g/cm

Standard Terms & Conditions Apply

*Only available in Europe and the Middle East.

NOTE: Recommended post-heat surface temperature of vinyl installed: 203°F to 221°F (95°C to 105°C). Post heat must be applied gradually and approximately 5" from the film in order to avoid the matte from turning glossy. The recommended post heat temperature applies to the media & matte overlaminated wrap.

USE & APPLICATION

DPF 4600LX will resist weathering best when applied to vertical or upper outboard angles. Horizontal angles, such as hood and auto roof surfaces, will deteriorate more quickly than vertical. This is due to increased exposure to sun and moisture, as well as high deposition of dirt and atmospheric contaminants. Actual horizontal weathering will be dependent on maintenance, location and elemental exposure. Use heat and/or chemical when removing image from vehicle (see Installer Handbook for details).

DPF 4600LX is designed to be used for vehicle graphics and wraps with flat or simple curves. When wrapping curves and channels with DPF 4600LX it is recommended the product be draped and not stretched into areas with channels.

APPLICATION	RECOMMENDED	NOT RECOMMENDED	LAMINATE
VEHICLE/FLEET DECALS	X		SERIES 3220, SERIES 3210 OR SERIES 3420
FLAT VEHICLE SIDES	X		SERIES 3220 OR SERIES 3210
SIMPLE CURVES	X		SERIES 3220 OR SERIES 3210
DEEP CHANNELS		X	
COMPLEX CURVES		X	
RIVETS		X	
MULTI-PURPOSE FLAT APPLICATIONS	X		SERIES 3220, SERIES 3210 OR SERIES 3420
MEDIUM-TERM STATIC SIGNAGE	X		SERIES 3220, SERIES 3210 OR SERIES 3420

GLOSSARY OF APPLICATION TERMS

Simple Curves - Defined as a slight stretch to the film in one direction (example: the side vehicle).

Complex Curves - Defined as extensive stretching (with or without heat) of material in multiple directions (example: bumpers).

Deep Channel - Channels in excess of a quarter inch in depth that require a “bridge and stretch” method for application.

TERMS & CONDITIONS

The following is made in lieu of all warranties expressed or implied:

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