



# ▶ DPF 4600LX Vinyl Film

## High Performance Digital Film with X-Scape Technology

DPF 4600LX is constructed of a 3.2-mil (80 micron) white gloss high performance film with a tinted, clean removing, repositionable 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 Eco-Solvent, Solvent, Latex and UV printers
- Great for medium-term vehicle graphics with simple to moderate curves
- Recommended overlaminates: Series 3220, Series 3210, Series 3410\* or Series 3420†

\* Only available in Europe and the Middle East.

† Use on flat and simple curves only.



### PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	80 to 90 Gloss Units	
<b>THICKNESS</b>	Micrometer, Federal Bench Type	3.2-mil (80 micron)	
<b>TENSILE STRENGTH</b>	Tensile Tester 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s); web direction	≥ 14 lb/in	≥ 2.5 kg/cm
<b>ELONGATION</b>	Instron Tensile Tester as above	Average 200%	
<b>SHELF LIFE (IN BOX)</b>	Ideal Storage Temperature 70°F (21°C) and 50% relative humidity	1 year from factory shipment	
<b>APPLICATION TEMPERATURE RANGE</b>	On clean, dry substrate	60°F to 80°F	15°C to 27°C
<b>SERVICE TEMPERATURE RANGE</b>	On clean, dry substrate	-20°F to 150°F	-29°C to 65°C
<b>DIMENSIONAL STABILITY</b>	158°F (70°C), 48 hour	15-mil	0.38 mm
<b>PEEL ADHESION</b>	PSTC-1, 15 min, 70°F (21°C)	≥ 3.9 lb/in	≥ 0.70 kg/cm
<b>LINER RELEASE</b>	TLMI Release at 90°, 300 in/min (760 cm/min)	70 g/2 in	14 g/cm

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. Standard Terms & Conditions Apply

## 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	OVERLAMINATE(S)
VEHICLE/FLEET DECALS	X		SERIES 3220, SERIES 3210, SERIES 3410 OR SERIES 3420
FLAT VEHICLE SIDES	X		SERIES 3220, SERIES 3410 OR SERIES 3210
SIMPLE CURVES	X		SERIES 3220, SERIES 3410 OR SERIES 3210
DEEP CHANNELS		X	
COMPLEX CURVES		X	
RIVETS		X*	
MULTI-PURPOSE FLAT APPLICATIONS	X		SERIES 3220, SERIES 3210, SERIES 3410 OR SERIES 3420
MEDIUM-TERM STATIC SIGNAGE	X		SERIES 3220, SERIES 3210, SERIES 3410 OR SERIES 3420

\* Can be applied on low profile rivets. Please note that rivets vary in shape and size so tenting may appear.

## 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:*

All statements, technical information and recommendations published by Arlon relating to Arlon products are based on tests believed to be reliable and within the accuracy of the equipment used to obtain the specific values. Their accuracy or completeness is not guaranteed and Arlon makes no warranty with regard thereto. Seller's and manufacturer's only responsibility shall be to replace any quantity of the product proved defective. Seller and manufacturer shall not be liable for injury, loss or damage, direct or consequential, arising out of use or the inability to use the product. Nor shall seller or manufacturer be liable for any costs or expenses incurred in the processing or printing on the product. Before using, user shall determine the suitability of the product for its intended use. User assumes all risk and liability of every nature in connection therewith. No statements or recommendations other than those contained in the technical information published by Arlon shall have force or effect unless contained in an agreement manually signed by the officers of seller and manufacturer.

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