



## ▶ DPF 4600GLX/MLX Vinyl Film High Performance Digital Film with X-Scape Technology®

DPF 4600GLX/MLX is constructed of a 3.2-mil (80 micron) white gloss or matte high performance calendered 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 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 4600GLX/MLX works great for your multipurpose signage needs. DPF 4600GLX/MLX is rated for outdoor durability up to 7 years (unprinted). Printed durability is dependent on the ink system used.

### APPLICATIONS & FEATURES

- Printable on Eco-Solvent, Solvent, Latex and UV printers
- Ideal for interior & exterior intermediate signage
- Great for partial vehicle wraps with flat & simple curves and short term interior floor graphics^
- Recommended overlaminates: Series 3220, Series 3210, Series 3170, Series 3410\* or Series 3420

^When used with Series 3220 Gloss or Series 3420 Gloss

\* Only available in Europe and the Middle East



### PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	80 to 90 Gloss Units (Gloss) 10 to 15 Gloss Units (Matte)	
<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	≥ 190%	
<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: 200°F to 220°F (95°C to 105°C). Post-heat must be applied gradually and approximately 5" from the film. Standard Terms & Conditions Apply

#### USA

- 200 Boysenberry Lane, Placentia, CA 92870
- 800 232 7161 / +1 714 985 6300
- +1 714 985 6305

#### EUROPE

- Dr. Lelykade 22B, 2583CM Den Haag, The Netherlands
- +31 70 354 4311
- +31 70 355 7721

#### CHINA

- No. 1989 Xinchang Road, Weifang, Shandong, 262400
- +86 0536 6226568

## USE & APPLICATION

DPF 4600GLX/MLX 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).

APPLICATION	RECOMMENDED	NOT RECOMMENDED	OVERLAMINATE(S)
VEHICLE/FLEET DECALS	X		SERIES 3220, SERIES 3210, SERIES 3170, SERIES 3410 OR SERIES 3420
FLAT VEHICLE SIDES	X		SERIES 3220, SERIES 3210, SERIES 3170, SERIES 3410 OR SERIES 3420
SIMPLE CURVES	X		SERIES 3220, SERIES 3210, SERIES 3170, SERIES 3410
DEEP CHANNELS		X*	
COMPLEX CURVES		X	
RIVETS		X <sup>D</sup>	
MULTI-PURPOSE FLAT APPLICATIONS	X		SERIES 3220, SERIES 3210, SERIES 3170, SERIES 3410 OR SERIES 3420
MEDIUM-TERM STATIC SIGNAGE	X		SERIES 3220, SERIES 3210, SERIES 3170, SERIES 3410 OR SERIES 3420
SHORT-TERM INTERIOR FLOOR GRAPHICS	X		SERIES 3220 GLOSS OR SERIES 3420 GLOSS

<sup>a</sup>When wrapping curves and channels with DPF 4600GLX/MLX, it is recommended the product be draped and not stretched into areas with channels.  
<sup>b</sup>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.

## FLOOR APPLICATIONS




DPF 4600GLX/MLX is recommended for short-term interior floor applications when used with either Series 3220 Gloss or Series 3420 Gloss, which are approved under UL 410 regulation for slip-resistance for Floor Graphic Materials. To determine the best product for application Arlon always recommends testing prior to using the above products on the actual surface as product performance can vary greatly depending on the surface type, level of foot traffic, elemental exposure, carpet type, and floor condition. Due to these variables, Arlon only warrants the material(s) for standard manufacturers defect and is unable to offer a warranty for the performance or clean removability of these products for floor graphic applications.

Please refer to Arlon’s [Installation Guide](#) for detailed techniques and best practices.



### USA

-  200 Boysenberry Lane, Placentia, CA 92870
-  800 232 7161 / +1 714 985 6300
-  +1 714 985 6305

### EUROPE

-  Dr. Lelykade 22B, 2583CM Den Haag, The Netherlands
-  +31 70 354 4311
-  +31 70 355 7721

### CHINA

-  No. 1989 Xinchang Road, Weifang, Shandong, 262400
-  +86 0536 6226568




## TERMS & CONDITIONS

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




All orders and purchases made in connection with this document are governed and limited by Arlon's Standard Terms and Conditions, which are incorporated in full by this reference and are available at <http://www.arlon.com/terms-and-conditions> or in hardcopy by request.

October 2019



### USA

-  200 Boysenberry Lane, Placentia, CA 92870
-  800 232 7161 / +1 714 985 6300
-  +1 714 985 6305

### EUROPE

-  Dr. Lelykade 22B, 2583CM Den Haag, The Netherlands
-  +31 70 354 4311
-  +31 70 355 7721

### CHINA

-  No. 1989 Xinchang Road, Weifang, Shandong, 262400
-  +86 0536 6226568