



# ▶ DPF 4600GLX/MLX

## High Performance Digital Film with X-Scape Technology®

DPF 4600GLX/MLX is constructed of a 3.2-mil (80 microns) 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 and interior floor graphics\*
- Great for partial vehicle wraps with flat & simple curves
- Recommended overlaminates: Series 3220, Series 3210, Series 3170, Series 3410\*\* or Series 3420



\*When used with Series 3420 Gloss/Matte and Series 3220 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)<br>10 to 15 Gloss Units (Matte) |               |
| <b>THICKNESS</b>                     | Micrometer, Federal Bench Type                                                                      | 3.2-mil (80 microns)                                         |               |
| <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 13 cm from the film.

Standard Terms & Conditions Apply

#### USA

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#### EUROPE

- Dr. Lelykade 22B, 2583CM Den Haag, The Netherlands
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#### 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**             |                                                                   |
| 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 |
| INTERIOR FLOOR GRAPHICS         | X           |                 | SERIES 3420, SERIES 3220                                          |

\*When wrapping curves and channels with DPF 4600GLX/MLX, it is recommended the product be draped and not stretched into areas with channels.

\*\*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 such as smooth floors, sealed concrete, ceramic tile, waxed vinyl flooring, sealed wood, marble and terrazzo, when used with Series 3420 Gloss/Matte and Series 3220 Gloss, which are approved under the European Standard Certification EN 14041 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 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.




## EN 14041 - Resilient, textile and laminate floor coverings

Determination of the anti-slip properties (EN 14041) : Determination of the dynamic coefficient of friction of floor materials in accordance with EN 14041.



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## TERMS & CONDITIONS

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




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