

# DPF 6700 Vinyl Film

## Cast Wall Wrap Film

DPF 6700 is a 2-mil (50 micron) cast highly conformable film with aggressive permanent adhesive. The film is specially formulated to conform to “hard-to-stick”, highly textured masonry surfaces such as brick, stucco, and concrete. When printed, DPF 6700 has a warranty of 1 year on masonry surfaces\*.

## APPLICATIONS & FEATURES

- Digital printing on a wide variety of direct print systems.
- Highly textured surfaces such as, brick, stucco, concrete, etc.
- Wall murals.
- Used in conjunction with Series 3200 or 3220 overlaminates.

## PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	80 - 90%	
<b>THICKNESS</b>	Micrometer, Federal Bench Type	2-mil (50 micron)	
<b>TENSILE STRENGTH</b>	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min.(5.1 mm/s), web direction	≥ 4.5 lb/in width	≥ 1.25 kg/cm width
<b>ELONGATION</b>	Instron Tensile Tester as above	≥ 150%	
<b>SHELF LIFE</b>	Free from excessive moisture, temperature, direct sunlight	2 Years from factory shipment	
<b>APPLICATION TEMPERATURE RANGE</b>	On clean, dry substrate	50°F to 100°F	4°C to 38°C
<b>SERVICE TEMPERATURE RANGE</b>	On clean, dry substrate	-40°F to 175°F	-20°C to 70°C
<b>DIMENSIONAL STABILITY</b>	Shrinkage after 158°F (70°C), 48 hours aging	0.010 in	0.25 mm
<b>PEEL ADHESION</b>	PSTC-1, 15 min, RT 70°F (21°C)	≥ 4.0 lbs/in	≥ 0.71 kg/cm
<b>LINER RELEASE</b>	TLMI Release at 90°F, 300 in/min (760 cm/min)	40 g/2 in	8 g/cm

\*Standard Terms & Conditions Apply

Effective Date 12/11

\*6 month warranty for freeze and thaw zones, Arlon custom warranty must be requested for all DPF 6700 applications on masonry surfaces. Please contact your Regional Sales Manager for details.

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## PREPARATION & INSTALLATION

### Concrete, Masonry and Tile

The surface should be entirely dust free: high pressure TSP/water wash is the easiest method. The surface must be sealed with a complete coat of paint or concrete sealer and allowed to dry. If the surface is not sealed there must be no loose paint, grit or chalk present. All surfaces must be completely dry allowing 48 hours from surface cleaning or sealing, or 1 week from painting.

### Sealing porous surfaces creates three benefits:

- Moisture cannot wick to the adhesive surface from within the matrix of the wall.
- Dust, due to ablation, cannot develop under the vinyl.
- Removal steps are much easier as the adhesive will remove more cleanly, and if any adhesive remains, the surface will be cleaned of residue more easily.

The surface temperature must be above 50°F. To assure highest adhesion the graphics will benefit from a final installation pass using a soft roller and heat source in combination. The film should be heated to a point of softening. Wait until the vinyl becomes “tack-free” and then roll the film tightly into the texture of the wall.

## REMOVAL

Addition of heat during removal will make the process much cleaner and faster. Where possible allow the surface to reach 80°F/27°C or more before removing the film. Where ambient temperature is not that high use either a very “soft” flame type torch or heat gun to bring the temperature up. Arlon recommends getting the film and under laying adhesive above 100°F/38°C.

Remove the film in a continuous smooth motion at a shallow angle for the fastest separation. Where it is practical, two people on the removal make the job go far faster than using just one. With one person working the heating unit in front of the second person who is peeling film, the job proceeds at a uniform and consistent pace. Where only one person is working there will be constant starting and stopping in addition to the problems of the heat being very inconsistent.

## SPECIAL CONSIDERATIONS

Because of the porous nature of all masonry and its general roughness Arlon does expect water, snow or ice to seep between the film and wall and collect on the upper edges of the applied graphic. For this reason applications to very rough surfaces do not carry the standard warranties. Those regions where extreme temperatures are experienced (freeze/thaw cycles); The warranty is reduced by 50%.

Standard warranty applies to vertical applications only. Vertical is defined as +/- 10° from the vertical. Non-vertical applications are not warranted for this product.

## 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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