

## ► DPF 8000™ Ultra Tack

### Industrial Grade Film for Hard-to-Stick Surfaces

DPF 8000™ Ultra Tack is a 90 microns satin white, high-tensile, PVC film with aggressive, permanent pressure-sensitive adhesive. Designed to adhere to “hard-to-stick” surfaces, DPF 8000 Ultra Tack offers a special adhesive system that is designed to adhere to difficult substrates and low surface energy plastics, especially ABS plastic. DPF 8000 White is also designed to meet typical permanent marking requirements and specifications for heavy industrial equipment markings, including OEM markings, off-road vehicles such as motorbikes, and other hard-to-stick applications. The film installs best on flat surfaces when processed and applied according to Arlon recommendations. DPF 8000 Ultra Tack is fire certified under ASTM E-84 and EN 13501-1:2007+A1:2009 of Euro Class C, S1, d0. This product is also rated up to 7 years\* (unprinted) for outdoor durability. Printed durability is dependent on the ink system used.

#### APPLICATIONS & FEATURES

- Digital printing with a wide variety of direct print systems
- Designed for “hard-to-stick” surfaces & ABS plastics
- Application in cold temperature environments
- Slightly textured and/or low-energy surfaces

#### DPF 8000 COMPATIBLE OVERLAMINATES

| OVERLAMINATE  | APPLICATION USES <sup>o</sup>  |
|---|--|
| <b>SERIES 3210</b><br><b>SERIES 3220</b><br><b>SERIES 3420</b><br><b>PROTEC SERIES 3960</b> | <ul style="list-style-type: none"> <li>• Rough Surfaces</li> <li>• Motorcycles</li> <li>• ABS Plastic</li> <li>• Decals</li> <li>• General Signage</li> <li>• Wall Graphics</li> </ul> |

#### PERFORMANCE & PHYSICAL DATA

Certified for  
HP Latex Inks

| PROPERTY                             | TEST METHODS   | TYPICAL VALUE                |
|--------------------------------------|--|------------------------------|
| <b>SURFACE FINISH</b>                | Gloss meter 60° reflection   | 40 to 60 Gloss Units         |
| <b>THICKNESS</b>                     | Micrometer, Federal Bench Type   | 90 microns                   |
| <b>TENSILE STRENGTH</b>              | Tensile tester with 51 mm jaw separation; crosshead speed of 5.1 mm/s, web direction | 2.3 kg/cm                    |
| <b>ELONGATION</b>                    | Instron tensile tester as above  | ≥ 150%                       |
| <b>SHELF LIFE</b>                    | Ideal storage temperature 21°C and 50% relative humidity                             | 1 year from factory shipment |
| <b>APPLICATION TEMPERATURE RANGE</b> | On clean, dry substrate  | -1°C to 27°C                 |
| <b>SERVICE TEMPERATURE RANGE</b>     | On clean, dry substrate  | -54°C to 107°C               |
| <b>DIMENSIONAL STABILITY</b>         | 70°C, 48 hours   | 1.27 - 3.81 mm               |
| <b>PEEL ADHESION</b>                 | PSTC-1, 15 min, 21°C   | 0.89 kg/cm                   |
| <b>LINER RELEASE</b>                 | TLMI Release at 90°, 760 cm/min  | 9.8 g/cm                     |

\* Outdoor durability rated up to 6 months for vertical masonry surfaces (brick, cinder block and concrete). This is contingent upon no rain or harsh outdoor weather conditions.

\* Arlon does not warranty DPF 8000 for floor graphics.  
Standard Terms & Conditions Apply

#### USA

**a** 200 Boysenberry Lane, Placentia, CA 92870  
**p** 800 232 7161 / +1 714 985 6300  
**f** +1 714 985 6305

#### EUROPE

**a** Dr. Lelykade 22B, 2583CM Den Haag, The Netherlands  
**p** +31 70 354 4311  
**f** +31 70 355 7721

#### CHINA

**a** No. 1989 Xinchang Road, Weifang, Shandong, 262400  
**p** +86 0536 6226568

## PREPARATION & INSTALLATION

### General

DPF 8000 Ultra Tack owes its very high bond to the softness of the adhesive. The trade off for high tack and adhesion is to expect higher visible shrinkage than normal. As a result, it is best practice to not leave the printer unattended when printing to avoid headstrikes due to adhesive build up on the film edges over time. [Click here to see the WrapItRight video: Preventing Adhesive Build-Up When Printing with Arlon DPF 8000](#). When decorating DPF 8000 Ultra Tack with screen or digital printing the solvent involved will penetrate both the vinyl and adhesive at the time of printing. If the printing solvents aren't completely removed before installation the resultant graphic will show very high shrinkage and edge curl. When printing this product be vigilant about drying the finished decal completely before laminating, top coating or installing. For paneled graphics, an overlap of at least 0.5 cm is recommended to accommodate for any shrinkage that may occur over time.

### 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.

### 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 10°C. 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.

### Plastic

These surfaces benefit from slightly roughening with sand paper before installation or surface oxidation with flame. For many polyolefinic surfaces, once the oily skin of the plastic is modified bond will improve dramatically. Addition of heat during removal will make the process much cleaner and faster. Where possible allow the surface to reach 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 38°C.

Due to the porosity of certain types of plastics (i.e. PP, PE), plastics exposed to gasoline from tanks will migrate through plastic and interfere with vinyl adhesion to the plastic. We do not recommend wrapping gasoline tanks or similar plastics exposed to like fumes.

## GRAPHICS REMOVAL

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.




## REMOVAL RECOMMENDATIONS

- Temp range 13°C or higher. If environment temperature is lower than 13°C, heat gun or blow torch should be used.
- Film removal angle >90 degrees from vertical wall.
- Removal rate: slow (2.5 cm/sec) and constant pull of graphics towards the ground.




## 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 an edge seal is recommended on applications that have very rough surfaces. Rough surfaces may not carry the standard warranties. Standard warranty applies to vertical applications only. Vertical is defined as +/- 10° from the vertical. Non-vertical applications are not warranted for this product.



#### 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 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.

*February 2020*



### 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