



▶ DPF 8000™ Ultra Tack White Industrial Grade Film for Hard-to-Stick Surfaces

DPF 8000™ Ultra Tack White is a 3.5-mil (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

OVERLAMINATE	APPLICATION USES*
SERIES 3210 SERIES 3310 SERIES 3220 SERIES 3420 PROTEC SERIES 3960	<ul style="list-style-type: none"> • Rough Surfaces • Motorcycles • ABS Plastic • Decals • General Signage • Wall Graphics • Short Term Interior Floor Graphics^

*Cast Laminate Recommended for Applications with Slight Contours & Textures

^When used with Series 3420M

PERFORMANCE & PHYSICAL DATA

Certified for
HP Latex Inks

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

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.

Masonry Surfaces (Brick, Cinder Block and Concrete)

The surface should be entirely dust free: high pressure TSP/water wash is the easiest method. Please ensure there must be no loose paint, grit or chalk present.

The surface temperature must be above 50°F (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 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.



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FLOOR APPLICATIONS

DPF 8000™ Ultra Tack White 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 Matte, which is 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.

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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