ARLON

PRODUCT INFORMATION BULLETIN

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800.253.1569 | wensco.com

DPF 8200 High Tack

Industrial Grade Film with High-Tack Permanent Adhesive

DPF 8200 High Tack is a 3.5-mil (90 micron) satin white, high-tensile, PVC film with aggressive, permanent pressure-sensitive adhesive. The film is made of a 100% engineering-grade facestock with a polycoated lay-flat liner. The unique low shrink adhesive system enhances dimensional stability, improving printer handling and converting time. Designed to adhere to slightly textured outdoor wall substrates such as brick, tile, and concrete, the film also has exceptional performance on low surface energy substrates such as polypropelyne, polyethylene, and powder coated paints. DPF 8200 High Tack is rated for outdoor durability up to 7 years* (unprinted). Using Arlon's recommended installation tips for walls, the film conforms well to flat surfaces with slight contours.

APPLICATIONS & FEATURES

- Designed for demanding surfaces, such as outdoor walls or low surface energy plastics
- Enhanced dimensional stability from beginning to end of application.
- Easy to convert, print, and apply, optimizing your workflow.
- Digital printing with a wide variety of direct print systems.

COMPATIBLE OVERLAMINATES

OVERLAMINATE	APPLICATION USES**
SERIES 3170 SERIES 3210 SERIES 3220 SERIES 3420 SERIES 3310 ProTec Series 3960	• Outdoor Wall Graphics • Large Graphics • Low Surface Energy Plastics • Decals • General Signage • Short Term Interior Floor Graphics***

***Cast Laminate Recommended for Applications with Slight Contours & Textures*
****When used with Series 3220G or Series 3420G/M*

PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	40 to 60 Gloss Units	
THICKNESS	Micrometer, Federal Bench Type	3.5-mil (90 micron)	
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	13.0 lb/in	2.3 kg/cm
ELONGATION	Instron Tensile Tester as above	> 150%	
SHELF LIFE (IN BOX)	Ideal Storage Temperature 70°F (21°C) and 50% relative humidity	1 year from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	50°F to 80°F optimum	10°C to 27°C optimum
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-65°F to 225°F	-54°C to 107°C
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	< 50 mil	< 1.27 mm
PEEL ADHESION	PSTC-1, 15 min, 70°F (21°C)	4.0 lb/in	0.71 kg/cm
LINER RELEASE	TLMI Release at 90˚, 300 in/min (760 cm/min)	50 g/2 in	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

Certified for HP Latex Inks

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

arlon.com

PREPARATION & INSTALLATION

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 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.

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 55°F (13°C) or higher. If environment temperature is lower than 55°F (13°C), heat gun or blow torch should be used.
- Film removal angle >90 degrees from vertical wall.
- Removal rate: slow (1 in/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 8200 High Tack is recommended for short-term interior floor applications when used with either Series 3220 Gloss, Series 3420 Gloss or Series 3420 Matte, 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.

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.

February 2024

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