



► Series 3220 Overlaminates

Premium Cast Overlaminates in Gloss, Luster, Satin and Matte Finishes

Series 3220 overlaminates are constructed of 2-mil (50 micron) cast vinyl film with clear, permanent pressure-sensitive adhesive. Designed to protect and prolong the life of printed images, Series 3220 extends the life of the graphics by 2 years. Series 3220 is rated for outdoor durability up to 7 years. See Arlon’s Print Media Total System Warranty, which is available at <https://www.arlon.com/support/warranties>. This product is not designed to be used as an optically clear window film.

APPLICATIONS & FEATURES

- Protective Overlaminates for SLX™ Cast Wrap, DPF 6100XLP, DPF 6000XRP, DPF 6000RP White, DPF 6500, DPF 6700, IllumiNITE Wrap™, DPF 2400, DPF 4600LX, DPF 4500GT/MT, DPF 8000™ Ultra Tack, DPF 8200 High Tack, DPF 9000, DPF 4000 and DPF 4300
- Long-term signage, kiosks, POP displays, fleet and vehicle applications
- Recommended dry time for printed images is 24-48 hours prior to laminating
- Series 3220 Gloss is UL 410 approved for slip resistance for interior floor graphics
- UV inhibitors to protect and extend the life of your printed graphic.
- Arlon overlaminates film is designed to be laminated cold without any heat



PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	80 to 90 Gloss Units (Gloss) 55 to 85 Gloss Units (Luster) 20 to 30 Gloss Units (Satin) 1.5 to 10 Gloss Units (Matte)	
THICKNESS	Micrometer, Federal Bench Type	2-mil (50 micron)	
TENSILE STRENGTH	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	≥ 0.8 kg/cm width
ELONGATION	Instron Tensile Tester as above	≥ 150%	
SHELF LIFE (IN BOX)	Ideal storage temperature 21°C and 50% relative humidity	2 years from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean image	40°F to 100°F	4.4°C to 38°C
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°F to 175°F	-40°C to 79°C
DIMENSIONAL STABILITY	Shrinkage After 158°F (70°C), 48 hours	5-mil	0.12 mm
PEEL ADHESION	PSTC-1, 15 min, 70°F (21°C)	4.35 lb/in	0.78 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	70 g/2in	13.78 g/cm

Standard Terms & Conditions Apply

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OPTIMUM PERFORMANCE

Actual weathering durability depends on surface preparation, surface maintenance and exposure conditions. Successful weather resistance is characterized by the retention of legibility.

Series 3220 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 continued high deposition of dirt and atmospheric contaminants. Arlon does not recommend its film for horizontal or close horizontal applications.

For best practice on laminating UV inks, see [Tip #55: What is Silvering?](#)

FLOOR APPLICATION

Series 3220 Gloss is approved under the UL 410 regulation for slip-resistance as a floor graphic material. Arlon recommends DPF 4600GLX/MLX, DPF 8200 High Tack, DPF 8000 Ultra Tack, DPF 510 GTR/MTR or DPF 510GT/MT as the compatible media. These product combinations are recommended for short-term interior floor applications for an expected life of up to 6 months. To determine the best product for the application Arlon always recommends testing on the surface prior to using the above products. 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 is unable to offer a warranty for the performance, expected life, or clean removability of these products for floor graphic applications. See Arlon's Standard Limited Warranty, which is available at <http://www.arlon.com/support/standard-limited-warranty>

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.

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