



# ► 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. 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	
<b>SURFACE FINISH</b>	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)	
<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	≥ 0.8 kg/cm width
<b>ELONGATION</b>	Instron Tensile Tester as above	≥ 150%	
<b>SHELF LIFE (IN BOX)</b>	Ideal storage temperature 21°C and 50% relative humidity	2 years from factory shipment	
<b>APPLICATION TEMPERATURE RANGE</b>	On clean image	40°F to 100°F	4.4°C to 38°C
<b>SERVICE TEMPERATURE RANGE</b>	On clean, dry substrate	-40°F to 175°F	-40°C to 79°C
<b>DIMENSIONAL STABILITY</b>	Shrinkage After 158°F (70°C), 48 hours	5-mil	0.12 mm
<b>PEEL ADHESION</b>	PSTC-1, 15 min, 70°F (21°C)	4.35 lb/in	0.78 kg/cm
<b>LINER RELEASE</b>	TLMI Release at 90°, 300 in/min (760 cm/min)	70 g/2in	13.78 g/cm

Standard Terms & Conditions Apply

## 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 or DPF 510 GTR/MTR as the compatible media. These product combinations are recommended for short-term interior floor applications. 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 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.


October 2019

USA:  200 Boysenberry Lane, Placentia, CA 92870, USA

EUROPE:  North Sea Building, Gevers Deynootweg 93, 4th Floor, 2586BK Den Haag, The Netherlands

 800 232 7161/+1 714 985 6300

 +31 70 354 4311

 800 329 2756

 +31 70 355 7721

arlon.com