

► Series 3420 Overlaminates

Premium Polymeric Overlaminates Pressure-Sensitive Film Gloss, Satin, and Matte Finishes

Series 3420 is constructed of a 75 microns polymeric vinyl film with clear, permanent pressure-sensitive adhesive. Designed to protect and prolong the life of printed images, Series 3420 is made of a polymeric facestock and available in gloss, satin and matte finishes. Series 3420 is rated for outdoor durability up to 5 years.

APPLICATIONS & FEATURES




- Protective overlaminates for all promotional, intermediate and industrial, polymeric/monomeric products
- Short-term signage, kiosks and POP displays
- Series 3420 Matte is approved EN 14041 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) 35 to 45 Gloss Units (Satin) 5 to 10 Gloss Units (Matte)
THICKNESS	Micrometer, Federal Bench Type	75 microns
TENSILE STRENGTH	Tensile Tester with 51 mm jaw separation; crosshead speed of 5.1 mm/s, web direction	1.8 kg/cm
ELONGATION	Instron Tensile Tester as above	≥ 190%
SHELF LIFE (IN BOX)	Ideal Storage Temperature 21°C and 50% relative humidity	1 year from factory shipment
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	4.4°C to 38°C
SERVICE TEMPERATURE RANGE	Film applied to etched aluminum panels 24 hours prior to testing	-29°C to 65°C
DIMENSIONAL STABILITY	70°C, 48 hours	0.51 mm
PEEL ADHESION	PSTC-1, 15 min, 21°C	0.45 kg/cm
LINER RELEASE	TLMI Release at 90°, 760 cm/min	23.62 g/cm

Note: Stiffness from polymeric/monomeric film may not conform as well to surface topography of UV inks.
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 3420 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.

FLOOR APPLICATION

Series 3420 Matte is approved under the European Standard Certification EN 14041 for slip-resistance as a floor graphic material for indoor dry conditions. Arlon recommends DPF 8000™ Ultra Tack, DPF 8200 High Tack and DPF 4600GLX/MLX 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 before using the above products. Product performance can vary greatly depending on the surface type, level of foot traffic, elemental exposure, the 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.

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