ARLON

PRODUCT INFORMATION BULLETIN

wensco

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Series 3420 Overlaminate

Premium Calendered Overlaminate Pressure-Sensitive Film
Gloss, Satin, and Matte Finishes

Series 3420 is constructed of a 75 micron calendered 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. See Arlon's Print Media Total System Warranty, which is available at https://www.arlon.com/support/warranties.

APPLICATIONS & FEATURES

- Protective overlaminate for all promotional, intermediate and industrial, calendered products
- Short-term signage, kiosks and POP displays
- Series 3420 Gloss and Matte are UL 410 approved for slip resistance for interior floor graphics
- UV inhibitors to protect and extend the life of your printed graphic
- Arlon overlaminate film is designed to be laminated cold without any heat

CLASSIFIED UL

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 micron
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	1.8 kg/cm
ELONGATION	Instron Tensile Tester as above	≥ 190%
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	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	158°F (70°C), 48 hours	0.51 mm
PEEL ADHESION	PSTC-1, 15 min, 70°F (21°C)	0.45 kg/cm
LINER RELEASE	TLMI Release at 90˚, 300 in/min (760 cm/min)	23.62 g/cm

Note: Stiffness from calendared 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 Gloss and Matte are 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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