ARLON

PRODUCT INFORMATION BULLETIN

Fusion Wrap

High-Performance Digital Polymeric Film with FLITE Technology™

Fusion Wrap is a 60 microns white gloss high-performance polymeric film with FLITE Technology™. Fusion Wrap's lite contact system is designed for fast and effective installation for vehicle wraps and graphics. Fusion Wrap features a low profile air egress liner and has a tinted, permanent pressure-sensitive adhesive that creates enough opacity to ensure a vibrant print. Fusion Wrap is rated for outdoor durability up to 7 years (unprinted). Printed durability is dependent on the ink system used.

APPLICATIONS & FEATURES

- Great for vehicle wraps & graphics with simple to moderate curves
- Lite initial contact that forms a strong bond
- Printable on Eco-Solvent, Solvent, Latex, and UV printers
- Recommended overlaminates: Series 3170, Series 3220, Series 3270, Series 3210, or Series 3420*

Use on flat and simple curves only.

PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE
SURFACE FINISH	Gloss Meter 60° Reflection	80 to 90 Gloss Units
THICKNESS	Micrometer, Federal Bench Type	60 microns
TENSILE STRENGTH	Tensile Tester 51 mm jaw seperation; crosshead speed of 5.1 mm/s; web direction	≥ 1.7 kg/cm
ELONGATION	Instron Tensile Tester as above	Average 180%
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	15°C to 38°C
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-29°C to 65°C
DIMENSIONAL STABILITY	70°C, 48 hour	0.24 mm
PEEL ADHESION	PSTC-1, 15 min, 21°C	≥ 0.36 kg/cm
	PSTC-1, 24 hours, 21°C	≥ 0.45 kg/cm
	PSTC-1, 1 week, 21°C	≥ 0.54 kg/cm
LINER RELEASE	TLMI Release at 90°, 760 cm/min	11.8 g/cm

NOTE: Recommended post-heat surface temperature of vinyl installed: 95°C to 105°C. Post-heat must be applied gradually and approximately 10-15cm from the film. Standard Terms & Conditions Apply

USA: a 200 Boysenberry Lane, Placentia, CA 92870, USA p +1 714 985 6300 f 800 329 2756
EUROPE: a North Sea Building, Gevers Deynootweg 93, 4th Floor, 2586BK Den Haag, The Netherlands p +31 70 354 4311 f +31 70 355 7721
arlon.com

USE & APPLICATION

Fusion Wrap will resist weathering best when applied vertically. Horizontal angles, such as hood and auto roof surfaces, will deteriorate more quickly than vertical angles. This is due to increased exposure to sun and moisture, as well as high deposition of dirt and atmospheric contaminants. Actual horizontal weathering will be dependent on maintenance, location and elemental exposure. Use heat and/or chemicals when removing the film from the vehicle.

Fusion Wrap is designed to be used for vehicle wraps and graphics. When wrapping curves and channels with Fusion Wrap, it is recommended for the product to be draped and not stretched into areas with channels. The manufacturing process of Fusion Wrap poses certain limitations on applications, please refer to the Fusion Wrap Installation Guide & information below for installation techniques and recommendations. If you have any questions, such as if Fusion Wrap will work for your specific application, please contact your Arlon Sales Rep.

	APPLICATION	INSTALLATION TECHNIQUE REQUIRED	OVERLAMINATE(S)
VEHICLE/FLEET DECALS	V	Refer to Fusion Installation Guide for Best Practices	SERIES 3170, SERIES 3220, SERIES 3270, SERIES 3210
FLAT VEHICLE SIDES	V	Refer to Fusion Installation Guide for Best Practices	SERIES 3170, SERIES 3220, SERIES 3270, SERIES 3210
SIMPLE CURVES	V	Refer to Fusion Installation Guide for Best Practices	SERIES 3170, SERIES 3220, SERIES 3270, SERIES 3210
DEEP CHANNELS	V	TIP #48: How to Install on Deep Channels: Using the Inlay Method TIP #49: How to Install on Deep Channels: Using the Cut and Lay-in Method	SERIES 3170, SERIES 3220, SERIES 3270, SERIES 3210
RIVETS*	V	TIP #50: How to Install on Rivets: The Roller Method TIP #51: How to Install on Rivets: The Poke/ Lance Method	SERIES 3170, SERIES 3220, SERIES 3270, SERIES 3210

**Can be applied on low profile rivets. Rivet vary in shape and size so tenting may appear.*

WRAPPING COMPLEX CURVES WITH POLYMERIC FILM

Complex curves are panels or components of the vehicle that bend in multiple directions. They are commonly found in bumpers, door handles, side view mirrors, fog light pockets, recessed windows in cargo vans, wheel well channels, and shark fin antennas. Due to polymeric films' nature to shrink, do not apply into these areas by bridging and overstretching or with a one-piece seamless wrap. Instead, an installer must use cut-outs, inlays, or seams/overlaps.

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.

March 2019

USA: a 200 Boysenberry Lane, Placentia, CA 92870, USA p +1 714 985 6300 f 800 329 2756
EUROPE: a North Sea Building, Gevers Deynootweg 93, 4th Floor, 2586BK Den Haag, The Netherlands p +31 70 354 4311 f +31 70 355 7721
arlon.com