



# Series 2300X Specialty Film

With X-Scape Technology

Premium Specialty Cast Pressure Sensitive Vinyl

Series 2300X is a high performance special effect cast film with a clear permanent pressure-sensitive adhesive. The X-Scape system allows installers to achieve speedy installation while maintaining a high enough tack to ensure a long term bond. The film is designed to be easily applied without transfer tape and still be ultra conformable to handle a full vehicle wrap with moderate curves. The special carbon fiber and brushed metal effects are great for decorating accent work on vehicles or more comprehensive wraps. Series 2300X is rated for outdoor durability up to 5 years.

## APPLICATIONS & FEATURES

- Available in Carbon Fiber and Silver Brushed Metal.
- Conforms well to vehicle wraps with moderate curves.
- Ease of handling and installation.

## PERFORMANCE & PHYSICAL DATA

| PROPERTY                             | TEST METHODS  | TYPICAL VALUE   |                 |
|--------------------------------------|---|---|-----------------|
| <b>SURFACE FINISH</b>                | Gloss Meter 60° Reflection  | ≤ 10 %  |                 |
| <b>THICKNESS</b>                     | Micrometer, Federal Bench Type  | 4.0 mil (102 micron) Brushed Metal<br>5.4 mil (137 micron) Carbon Fiber |                 |
| <b>TENSILE STRENGTH</b>              | Tensile Tester 2-in (51mm) jaw separation; crosshead speed of 12 in/min (5.1mm/s) | 11.0 lb/in  | 2.00 kg/cm      |
| <b>ELONGATION</b>                    | Instron Tensile Tester as Above   | ≥ 80 %  |                 |
| <b>SHELF LIFE</b>                    | Free from excess moisture, temperature, direct sunlight                           | 2 years from factory shipment   |                 |
| <b>APPLICATION TEMPERATURE RANGE</b> | On clean, dry substrate   | 40 °F to 90°F   | 4.4 °C to 32 °C |
| <b>SERVICE TEMPERATURE RANGE</b>     | On clean, dry substrate   | 60 °F to 100 °F   | 15 °C to 38 °C  |
| <b>DIMENSIONAL STABILITY</b>         | Shrinkage After 158°F (70°C), 48 hours aging                                      | < 0.010 in  | < 0.25 mm       |
| <b>PEEL ADHESION</b>                 | PSTC-1, 15 min, RT 70°F (21°C)  | 4.3 lb/in   | 0.77 kg/cm      |
| <b>LINER RELEASE</b>                 | TLMI Release at 90°, 300 in/min (760 cm/min)                                      | 50 g/2 in   | 20 g/cm         |

\*Standard Terms & Conditions Apply

Effective Date 12.12

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## **DURABILITY**

Actual weathering durability depends on surface preparation, surface maintenance and exposure conditions. Successful weather resistance is characterized by the retention of legibility. Series 2300X 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 high deposition of dirt and atmospheric contaminants. Arlon does not recommend or warranty its film for horizontal or close horizontal applications.

## **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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