



Surface Applied Vinyl

Arch Deco Glass® fabricates glass with Surface Applied Vinyl. This is commonly used as a lower cost alternative to decorate glass with logo's and to call attention to glass entryways to enhance safety.

The information below is from an Avery Graphics Product Data Bulletin which can be used to as a reference. Arch Deco Glass supplies Surface Applied Vinyl's from other manufactures as well. Glass can be supplied with the vinyl attached at our factory or the vinyl can be supplied pre-cut and weeded for field installations.

Description:

Avery Graphics™ A6 Opaque intermediate films are flexible, medium gloss calendared vinyls designed for use on computer sign cutting equipment. This construction provides excellent cutting, weeding and transferring characteristics for signage applications.

Application information can be found in the Avery Graphics Application Guide.

For surface preparation, converting and printing, and application and removal instructions, please refer to the Avery Graphics Instructional Bulletin.

Construction:

- Face Film: 3.2 mils opaque medium gloss intermediate calendared vinyl film
- Adhesive: 1.0 mil clear acrylic permanent solvent pressure-sensitive adhesive
- Liner: 78# bleached white kraft

Physical Properties:

The following information on physical and chemical characteristics is based upon tests believed to be reliable. The values are intended only as a source of information. They are given without guarantee and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of this material for his/her specific purpose. (Data represents averages and is not intended for use as a specification).

- Outdoor durability: 6 years when properly processed and applied (vertical exposure, unprinted film)**
- Application surface contours: Flat and simple curves
- Minimum surface and air application temperature: +50° F (10° C)
- Service Temperature Range: -40° F to +180° F (-40° C to 82° C) (Reasonable range of temperatures which would be expected under normal environmental time and temperature conditions)
- Typical Chemical Resistance: Resistant to most mild acids, alkalis and salt solutions. See instructional bulletin for recommendations on cleaning.
- Shelf Life: One year when stored at the following temperatures and humidity conditions: 68° - 77° F (20° - 25° C) and 50±5% R. H.
- Typical Adhesion Values: **180° Peels**

Substrate	24 hrs	1 week
Stainless Steel	4.4 lbs./in	5.1 lbs./in
Glass	4.7 lbs./in	5.3 lbs./in

NOTE: Tested per ASTM D 1000. Always pre-test your specific substrate prior to actual application.

- Reflectivity: NA
- Typical Gloss*: 70 at 60°
- Tensile at Yield: 9.0 lbs/in to 15.0 lbs./in width
- Elongation: 100% minimum
- Dimensional Stability: Less than 0.03 in. (0.762mm). Shrinkage is determined by measuring shrinkage of unprinted film applied to 36 in.² (232 cm²) aluminum test panel after 72 hrs. aging at 73° F (23° C) 50±5% R.H. followed by 48 hrs. at 150° F (65° C).



Surface Applied Vinyl (Cont.)

Exceptions:

Durability Exceptions:

3-Year

4-Year

5-Year

A6077-O Silver
A6247-O Gold

A6003-O Clear
A6508-O Vibrant Blue

A6180-O Bright Orange
A6315-O Tangerine
A6325-O Tomato Red

Gloss Exceptions:

Gloss of 50 at 60°

A6077-O Silver
A6247-O Gold
A6508-O Vibrant Blue

Pigmented Adhesive Exceptions: none

** Some color fade may occur in severe environmental areas such as, Florida, Arizona, Nevada, New Mexico, Utah, Southwest Texas and Southern California. Durability statement does not apply outside of the contiguous 48 states as testing has not been done in those regions.

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