

PRODUCT DATA SHEET

Avery Dennison® Facade Film

Issued: 03/2021

Introduction

Avery Dennison Facade Film range is a premium quality conformable cast film designed to meet the demands of application and exposure on building facades, panels and window frames for restoration, re-styling or branding purposes. Having high adhesion onto difficult building substrates such as plastics, aluminium, uncoated & coated steel and reinforced facade panels – it is considered an excellent alternative to paint. This product offers exceptional value for commercial and residential real estate owners – minimizing downtime due to the ease of application and no drying time, and life expectancy of up to 10 years. Façade film is available in two different versions: 50 um facefilm combined with flat liner and 100 um facefilm combined with Easy Apply liner:



Face Film

50 or 100 micron, premium quality cast vinyl



Adhesive

high tack permanent adhesive, acrylic based



Backing

one side coated kraft paper or also available with Easy Apply pattern



Durability

Up to 10 years



Shelf Life

2 years

Conversion

Designed for decoration and protection of building materials such as exterior window frames, doors, claddings and panels.

Recommendations

The film surface can show alterations in matting due to contact pressure or other external influences. Please note that increased temperatures of slit rolls in combination with higher winding tension could lead to unwanted mottling of the film. Winding tension should therefore be carefully monitored and kept at an appropriate level.

Features

- » Highly conformable self adhesive cast vinyl - contours smoothly around curved and irregular surfaces
- » Adhesion onto wide range of building substrates including plastics, aluminium, uncoated and coated steel and reinforced facade panels – no primer required
- » Long-life, high durability film protects against abrasion and UV radiation
- » Applied film is dry, surfaces can be touched immediately after application ensuring no interruption to business
- » Cost-effective solution improves durability of building façades and window frames, reducing real estate ownership and maintenance costs
- » Available in a variety of colours, additional colours can be matched to industry standards such as RAL, Pantone® or even to customer samples
- » High gloss, lustre or matt finishes possible
- » Available with Easy Apply Liner to facilitate the removal of air bubbles during application on large panels

Avery Dennison® Colour Matching:

A fast colour matching service is offered for projects where specific colour needs cannot be matched from the standard colour range. The supply conditions are mentioned in the service policy.

PANTONE® is the property of Pantone, Inc.

Physical Characteristics

| Product | Test method ¹ | Results |
|--|------------------------------|--|
| Caliper, facefilm (micron) | ISO 534 | 50 (Flat Liner) 100 (Easy Apply) |
| Caliper, facefilm + adhesive (micron) | ISO 534 | 90 (Flat Liner) 140 (Easy Apply) |
| Tensile strength (kN/m) | DIN 53455 | 1 kN/m |
| Elongation (%) | DIN 53455 | 50% |
| Gloss (GU) | ISO 2813, 20° | 50 |
| Dimensional stability (mm max.) | DIN 30646 | max. 0.2 mm |
| Fire classification | EN13501-1 | B-s1, d0 |
| Shelf life (years) | Stored at 22° C/50-55 % RH | 2 years |
| Durability ² (years) | Vertical exposure | |
| | Solid colours | up to 10 years |
| | Metallic | up to 5 years |
| | RAL 5001 Green Blue Gloss | up to 5 years |
| | RAL 5005 Signal Blue Gloss | up to 5 years |
| Fire classification | EN13501-1 | B-s1, d0 |
| Adhesive | | |
| Adhesion, initial (N/m) | FINAT FTM-1, stainless steel | 540 N/m (Flat Liner) 450N/m (Easy Apply) |
| Adhesion, after 24 hours (N/m) | FINAT FTM-1, stainless steel | 720 N/m (Flat Liner) 600 N/m (Easy Apply) |
| Temperature range | | |
| Application temperature (Minimum: °C) | | 10 |
| Service temperature (°C to +°C) | | -50 to +110 |
| Chemical properties³ | | |
| Humidity resistance | 200 hours exposure | No effect |
| Corrosion resistance | 120 hours exposure | No contribution to corrosion |
| Water resistance | 48 hours immersion | No effect |
| Test Fluid | Immersion time | Adhesion |
| Detergent solution 65°C | 8 hours | Noimpact |

Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

1) Test methods: More information about our test methods can be found on our website.

2) Durability: The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.

3) Prolonged immersion in gasoline and similar fluids is not recommended.

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