

PRODUCT DATA SHEET

Avery Dennison® Facade Film

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revision: 4

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.

Description

Face film : 50 micron, premium quality cast vinyl
Adhesive : high tack permanent adhesive, acrylic based
Backing paper : one side coated kraft paper

Uses

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

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

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.

Additional processing:

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.

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PRODUCT CHARACTERISTICS

Avery Dennison® Facade Film

Physical properties

| Features | Test method ¹ | Results |
|---|----------------------------|-----------------------------|
| Caliper, face film | ISO 534 | 50 micron |
| Caliper, face film + adhesive | ISO 534 | 90 micron |
| Tensile strength | DIN 53455 | 1 kN/m |
| Elongation | DIN 53455 | 50% |
| Gloss | ISO 2813, 20° | 50GU |
| Dimensional stability | DIN 30646 | max. 0.2 mm |
| Adhesion, initial | FTM-1 Stainless steel | 540 N/m |
| Adhesion, ultimate | FTM-1 Stainless steel | 720 N/m |
| Fire classification | EN13501-1 | B-s1, d0 |
| Shelf life | Stored at 22° C/50-55 % RH | 2 years |
| Durability ² | | Horizontal/ Vertical |
| Solid colours | ISO 4892-2 | Up to 10 years / 5 years |
| Metallic and Solid Colors: RAL 5001 Green Blue Gloss & RAL 5005 Signal Blue Gloss | | Up to 5 years / 2,5 years |

*in years, for zone 1

Temperature range

| Features | Results |
|---------------------------------|-----------------|
| Minimum application temperature | 0°C |
| Service temperature | -50°C to +110°C |

Chemical properties

| Features | Test method ¹ | Results |
|-----------------------------|--------------------------|------------------------------|
| Humidity resistance | 200 hours exposure | No effect |
| Corrosion resistance | 120 hours exposure | No contribution to corrosion |
| Water resistance | 48 hours immersion | No effect |
| Chemical/Solvent resistance | | |
| Test Fluid | Immersion time | Adhesion |
| Detergent solution 65°C | 8 hours | No impact |

Important

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. 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 these Conditions, the English version shall be controlling.

Warranty

All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>

1) Test methods

More information about our test methods can be found on our website.

2) Durability

Durability of all coloured films from the Colour Match program is subject to revision based on individual interpretation of Avery Dennison internal test results and is not negotiable.

The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions (location, angle, and orientation) and maintenance of the film. 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. For further details on Durability and Performance, please refer to: Instructional Bulletin 1.30 rev 7 EU for zones by geographical location.