

7110 FasFiti™

Gloss Clear Anti-Graffiti Polyester Overlamine Permanent

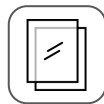
Revision 5

Introduction

Avery Dennison® 7110 FasFiti™ is an overlaminating film that protects durable indoor and outdoor markings & decorations against permanent damage from graffiti paints. Avery Dennison FasFiti™ Film is recommended on public transport vehicles. Avery Dennison FasFiti™ Film will also give protection against stone chippings. Most commercially available graffiti removal fluids will allow the removal of graffiti without damaging Avery Dennison FasFiti™ Film.

Common Applications

- Buses
- Trains and light rail
- Windows
- Architectural signage
- Directional signage
- Real estate signs
- Point of purchase
- Outdoor advertising
- Indoor advertising



Face Film

23 micron high gloss clear UV stable anti-graffiti polyester overlamine



Backing

One side coated 140gsm, Kraft paper



Adhesive

Permanent acrylic



Outdoor life**

Up to 5 years

Features

- PVC free
- Good resistance to UV and weathering exposure
- Improves inkjet outdoor image durability to up to 3 years
- Improves solvent inkjet outdoor image durability to up to 5 years
- Allows easy removal of graffiti
- Excellent abrasion resistance
- Excellent adhesion to graphic materials
- Excellent transparency
- Brilliant high gloss appearance
- Excellent solvent and chemical resistance

Conversion

- ☐ Flatbed cutters
- ☐ Friction fed cutters
- ☐ Die cutting
- ☐ Thermal transfer
- ☐ Screen printing
- ☐ Offset printing
- ☒ Cold overlaminating
- ☐ Electrostatic printing
- ☐ Latex inkjet
- ☐ Eco solvent inkjet
- ☐ Solvent inkjet
- ☐ UV curable inkjet

Applications

PVC / Polyester film combinations are not compatible with acrylic, polycarbonate and other substrates that have a tendency to outgas. Application to these substrates should be avoided as bubbling or blistering can occur due to the inability of Polyester to allow transmission of gas generated by these substrates.

- Refer to [Instructional Bulletin 4.06](#) for Processing Tips for Laminating Films (DOL)
- Refer to [Instructional Bulletin 1.11](#) for information on Converting and Applying Floor Graphics
- Refer to [Instructional Bulletin 1.12](#) for Cleaning of Anti Graffiti Overlaminates

General

Roll width, length	1230mm	50m
Calliper, face film	ISO 534	23 micron
Calliper, face film & adhesive	ISO 534	50 micron
Dimensional stability		Excellent
Adhesion, initial	FINAT FTM-1, Stainless steel	500 N/m
Adhesion, ultimate	FINAT FTM-1, Stainless steel	600 N/m
Flammability		Self extinguishing
Shelf life	Stored at 22° C / 50-55% RH	2 years
Expected Durability**	Vertical exposure	Up to 5 years

Thermal

Lamination temperature	Minimum +10°C
Service temperature range	-50°C to +150°C

Chemical

Resistant to most petroleum based oils, greases, and aliphatic solvents
Resistant to mild acids, alkalis and salts

Important

Information on physical 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 any material for their specific use.

All technical data is subject to change without prior notice.

Warranty

Avery Dennison® materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give guarantee, warranty, or make any representation contrary to the foregoing. All Avery Dennison® materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

**Expected Durability

The expected durability of Avery Dennison films are defined as the expected performance life of the Avery Dennison graphic film(s) within Zone 1 of the Avery Dennison zone system, in outdoor vertical exposure conditions.

The actual performance life will depend on a variety of factors, including selection and preparation of substrate, angle and direction of exposure, application methods, environmental conditions and cleaning/maintenance of the films.

In case of films used in areas of high temperatures or humidity, high altitudes and industrially polluted areas the performance will be further reduced.

Expected Durability and Warranted Period Definitions

Expected durability is the expected period of time defined in the product data sheet, the product should, but is not warranted to, perform satisfactorily when applied in vertical exposure conditions as defined in Instructional Bulletin 1.30. The warranted period as defined in the appropriate ICS Performance Guarantee Bulletin, is the maximum period of time Avery Dennison will warrant the finished products performance in accordance with ICS Performance Guarantee Terms and Conditions 1.0, provided that the film is properly stored, converted and installed in accordance with Avery Dennison guidelines.

Testing Methods

Dimensional stability:

Is measured on a 150 x 150 mm aluminium panel to which a specimen has been applied; 72 hours after application the panel is exposed for 48 hours to + 70°C, after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel or float glass panel, 24 hours after the specimen has been applied under standardised conditions. Initial adhesion is measured 20 minutes after application of the specimen.

Flammability:

A specimen applied to aluminium is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Corrosion Resistance:

A specimen applied to aluminium is exposed to saline mist (5% salt) at 35°C. After exposure, the film is removed and the panel is examined for traces of corrosion.