

# Avery Dennison® 7110 and 7120 FasFiti™

## Clear Anti-Graffiti Polyester Overlaminates Permanent

### Features

- Allows easy removal of graffiti
- High abrasion resistance
- High clarity
- Good resistance to UV radiation and weathering exposure
- Excellent dimensional stability
- Excellent resistance to chemicals and solvents
- Excellent adhesion and vandal resistance
- Available in gloss and matt finish

### Description



**Film:** 23 micron flexible treated transparent polyester, Gloss (7110) and matt (7120) finish



**Adhesive:** Permanent acrylic



**Backing:** One side coated Kraft paper, 140 gsm



**Outdoor life:** up to 5 years

### Conversion

- |   |   |
|---|---|
| <input type="checkbox"/> Flat bed cutters     | <input checked="" type="checkbox"/> Cold overlamination |
| <input type="checkbox"/> Friction fed cutters | <input type="checkbox"/> E-inkjet printing              |
| <input type="checkbox"/> Die cutting          | <input type="checkbox"/> Water based inkjet             |
| <input type="checkbox"/> Thermal transfer     | <input type="checkbox"/> Solvent inkjet                 |
| <input type="checkbox"/> Screen printing      | <input type="checkbox"/> UV Cured inkjet                |

### Common Applications

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

### Uses

Avery Dennison FasFiti™ Film is an overlamination 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.

## Physical characteristics

### General

Calliper, face film	ISO 534	23 micron
Dimensional stability	DIN 30646	0.1 mm max
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
Accelerated Ageing	DIN 53387 1500 hours of exposition	No negative effect on film performance
Durability **	Vertical exposure	
	Exterior	5 years
	Interior	7 years

### Thermal

Application temperature	Minimum: + 10°C
Service temperature	- 50°C to + 150°C

### Chemical

Humidity resistance	120 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Water resistance	48 hours immersion	No effect
Resistance to cleaning	ASTM-D-2486; 1000 cycles	No effect
Resistance to solvents and chemicals		
<b>Immersion fluid</b>	<b>Duration</b>	<b>Effect</b>
Diesel oil	24 hours	No effect
Antifreeze	24 hours	No effect
Distilled water 65°C	24 hours	No effect
Detergent solution 65°C	8 hours	No effect
SAE motor oil	24 hours	No effect
Mild acids	24 hours	No effect
Mild alkalines	24 hours	No effect
Resistance to cleaning	ASTM-D-2486; 1000 cycles	No effect

### 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.

### \*\*Durability

Durability is based on exposure conditions in the normal middle European and central North American regions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing north in the southern hemisphere or south in the northern hemisphere; in areas of long high temperature exposure such as northern Australia; in industrially polluted areas or high altitudes, exterior performance will be decreased. Please refer to Avery Dennison Instructional Bulletin 1.3 for definitions and reductions based on the 'Zone System'.

^Compatible with most printer and ink combinations. Test with your combination of printer and inks prior to commercial use

### Test 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.