

# PRODUCT DATA SHEET

## Avery Dennison® 7100 Series - Anti-Graffiti Films (AD-Public)

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### Introduction

7100 Series Anti-Graffiti Film is an over laminating film series that protects durable indoor and outdoor markings/decorations against permanent damage from graffiti paints. 7100 Series Anti-Graffiti Film is specially recommended on public transport vehicles, such as trains. It will also give protection against stone chippings. Most commercially available graffiti removal fluids will allow the removal of graffiti without damaging the Anti-Graffiti Film.

### Conversion

Cold overlamination of the Avery Dennison Anti-Graffiti film for applications requiring easy removal of graffiti.

### Recommendations

If Avery Dennison Anti Graffiti Films are laminated over screen printed markings or decorations, the inks should be free of (silicone) additives that might reduce/prevent proper adhesion of Avery Dennison Anti-Graffiti Films.

### Features

- » 1 and 2D applications
- » 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



#### Face Film

7110 gloss, 23 micron; 7130 gloss film, 100 micron; 7136 HT gloss or matt film, 36 micron



#### Adhesive

Permanent acrylic / High tack acrylic (7136 HT)



#### Backing

Variations: 7110, 7130: one side coated kraft paper, 140 g/m<sup>2</sup>. 7136 HT: 36 micron PET liner



#### Durability

Vertical application: Outdoor durability: Up to 6 years; Indoor durability: Up to 7 years



#### Shelf Life

Up to 2 years (stored at 22°C and 50-55% RH)

## Physical Characteristics

Product	Test method <sup>1</sup>	Results		
Caliper, facefilm (micron) (7110, 7130, 7136HT)	ISO 534	23, 100, 36		
Caliper, facefilm + adhesive (micron): 7110, 7130, 7136HT	ISO 534	55, 130, 65		
Accelerated aging	DIN 53387	No neg. impact on performance		
Flammability		Self-extinguishing		
Shelf life (years)	Stored at 22° C/50-55 % RH	2		
Durability <sup>2</sup> (years)	Vertical exposure (unlaminated)	7110	7130	7136 HT
	Interior	7	10	10
	Exterior (v/h)	5/2.5	1/-	6/3
Adhesive				
Adhesion, initial (N/m): 7110, 7130, 7136 HT	FINAT FTM-1, stainless steel	500, 600, 600		
Adhesion, ultimate (N/m): 7110, 7130, 7136 HT	FINAT FTM-1, stainless steel	600, 800, 750		
Temperature range				
Application temperature (Minimum: °C)		10		
Service temperature (°C to +°C)		-50 to +110		
Chemical properties				
Humidity resistance	200 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		

## 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.

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