



Avery Dennison® ICS Performance Guarantee Sign Cut and Wrapping Films Durability Bulletin 2.0

EU Revision number: 9 Date: 07-2020

ICS PERFORMANCE GUARANTEE

The ICS Performance Guarantee combines our films with other qualified components to form a system which is guaranteed to be compatible and provide superior performance. You know exactly what to expect from your finished Avery Dennison graphics as it has already withstood rigorous scientific testing and met a very stringent set of durability and physical performance specifications.

Film type	ICS number
Opaque films	2.0.1
Wrapping films	2.0.1
Window films	2.0.1
Reflective films	2.0.1
Translucent films	2.0.2
SignFlex™	2.0.2





Avery Dennison® ICS Performance Guarantee

Sign Cut and Wrapping Films Durability Bulletin 2.0.1

Avery Dennison Opaque Films	Finish	Durability period in years*			Application Surface				
		Outdoor	Indoor	Marine**	Flat	Simple curves	Rivets	Compound curves	Corrugations
900 Super Cast	Black, white**	12	20	10	•	•	•	•	•
	Colours, transparent	10	18	8	•	•	•	•	•
	Metallics	6	14	4	•	•	•	•	•
800 Premium Cast	Black, white**	10	15	8	•	•	•	•	-
	Colours, transparent	8	13	6	•	•	•	•	-
	Metallics	5	10	3	•	•	•	•	-
777 Cast Film	Black, white**	8	12	6	•	•	•	•	-
	Colours, transparent	7	11	4	•	•	•	•	-
	Metallics	5	9	3	•	•	•	•	-
700 Premium Film	Black, white**	8	12	-	•	•	-	-	-
	Colours, transparent	7	11	-	•	•	-	-	-
	Metallics	5	9	-	•	•	-	-	-
500 Event Film Gloss	Black, white**	5	8	-	•	•	-	-	-
	Colours	4	7	-	•	•	-	-	-
	Metallics	2	5	-	•	•	-	-	-
500 Event Film Matt	Black, white**	5	8	-	•	•	-	-	-
	Colours	3	6	-	•	•	-	-	-
	Metallics	2	5	-	•	•	-	-	-
Avery Dennison Wrapping and Accent Films									
Supreme Wrapping Film **	Black, white	12	20	8.5	•	•	•	•	•
	Colours	10	18	7	•	•	•	•	•
	Metallics, pearlescent	5	12	3.5	•	•	•	•	•
Intermediate Wrapping Film	Black, white	7	11	-	•	•	-	-	-
	Colours	5	9	-	•	•	-	-	-
	Metallics	3	7	-	•	•	-	-	-
Conform Chrome Series (with or without colored overlamine)	Silver	3	6	-	•	•	-	-	-
	Colours	2	5	-	•	•	-	-	-
Avery Dennison Window Films									
Etched Glass, Frosted Glass	Translucent/semi transparent	7	15	-	•	-	-	-	-
Dusted Glass, Dusted Glass Easy Apply RS	Translucent/semi transparent	5	9	-	•	-	-	-	-
Crystal Glass, Crystal Glass Easy Apply RS	Translucent/semi transparent	5	9	-	•	-	-	-	-
Avery Dennison Reflective Films									
V-4000 / V-4000E	Standard Colours	7	7	-	•	•	-	-	-
	White printed with Overlamine DOL 1460 Z	4	4	-	•	•	-	-	-
	White printed with Overlamine DOL 6460	5	5	-	•	•	-	-	-
V-8000	Standard Colours	7	7	-	•	•	-	-	-
	Fluorecent Colours	5	5	-	•	•	-	-	-
	White printed with Overlamine DOL1460 Z	4	4	-	•	•	-	-	-
	White printed with Overlamine DOL 6460	5	5	-	•	•	-	-	-
Fluor 900	Red	1.5	2	-	•	•	-	-	-
	Yellow	0.5	1	-	•	•	-	-	-
Fluor 500	Colours	0.25	0.75	-	•	•	-	-	-

* Vertical exposure, mid-European climatic conditions

** Horizontal warranty available

*** Excludes application on watercraft below static waterline



Avery Dennison® ICS Performance Guarantee Sign Cut and Wrapping Films Durability Bulletin 2.0.2

Avery Dennison Translucent Films	Finish	Durability period in years*					Application Surface				
		Rigid substrate	Thermoformed	Flexible substrate 4000	Flexible substrate Signage Pro	Flexible substrate 5000	Flat	Simple curves	Rivets	Compound curves	Corrugations
5600 LD Translucent Films	Black, white	10	8	5	7	10	•	-	-	-	-
	Colours	8	6	5	7	8	•	-	-	-	-
5500 QM Translucent Films	Black, white	10	8	5	7	10	•	-	-	-	-
	Colours	8	6	5	7	8	•	-	-	-	-
	Metallics	6	4	5	6	6	•	-	-	-	-
4500 TF Translucent Films	Black, white	7	-	5	5	7	•	-	-	-	-
	Colours**	7	-	5	5	7	•	-	-	-	-
	Metallics	5	-	5	5	5	•	-	-	-	-
5100 DF Diffuser Film	White	5	4	5	5	5	•	-	-	-	-
5300 BO Blockout Film	Black, white	5	4	5	5	5	•	-	-	-	-
Avery Dennison SignFlex™	Finish	Durability period in years*					Application Surface				
		Outdoor					Truck Tarpaulin New Used Truck tarpaulin				
Unprinted, not overlaminated	Black, white	5					• -				
	Colours	5					• -				
Printed, not overlaminated	White	-					• -				
	Colours and black	-					• -				
Printed, overlaminated with SignFlex™ DOL	White	5					• -				
	Colours and black	-					• -				

* Vertical exposure, mid-European climatic conditions

Avery Dennison® ICS Performance Guarantee

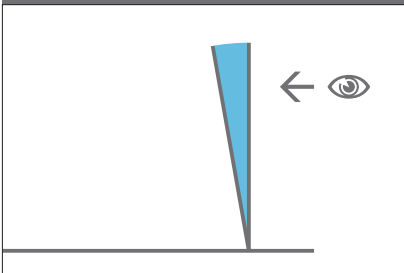
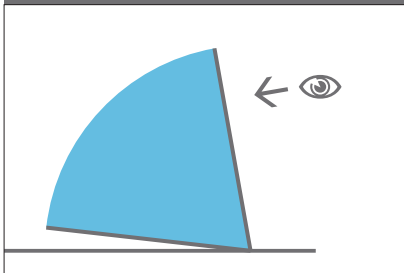
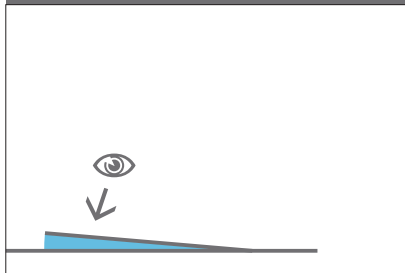
Additional information on graphics durability

Definition of durability and potential durability reductions.

The durability of Avery Dennison Graphics and Reflective Solutions films are defined as the expected performance life of the Avery Dennison graphic film(s) within the European region in outdoor vertical exposure conditions. The durability is defined such that the films will not deteriorate excessively, i.e the finished graphic remains effective for its advertising or identification purpose when viewed under normal conditions from the intended viewing distance.

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, industrially polluted areas or the durability will be further reduced below levels stated in this ICS Performance Guarantee document.

Angle and direction of exposure.

Vertical exposure	Non-vertical exposure	Horizontal exposure
		
<p>The face of the graphic is up to 10° from vertical.</p>	<p>The face of the graphic is between 10° and 85° from vertical. The durability as stated in this ICS performance guarantee document is reduced by 50% for non-vertical applications.</p>	<p>The face of the graphic is between 85° and 90° from vertical. The durability as stated in this ICS performance guarantee document is reduced by 50% for horizontal applications.</p>

Definition of durability and potential durability reductions.

High elevations: In mountain areas UV damage is increased over exposures at sea level. This is due to the air being thinner and therefore damage of UV radiation increases significantly.

Congested urban or industrial areas: Due to increased smog, pollutants and particulates in the atmosphere, applications have reduced durability expectations. Also horizontal application traps chemicals on the surface of the material, increasing the impact of UV exposure and reducing durability.



Avery Dennison® ICS Performance Guarantee

Additional information on graphics durability

Zone system Europe

Based on a 3-tier climatic Zone System, durability in regions as located in Zone 1 will perform in vertical applications as stated in the product datasheets and this particular ICS Performance Guarantee Bulletin. Films used in regions identified in Zone 2 will have a reduction of two years. Films used in regions identified in Zone 3 will have a reduction of the stated durability of Zone 2 by an additional two years. Where the Zone 2 durability is less than three years, the Zone three durability is 50% of Zone 2. Horizontal durability only applies to products marked ** in previous pages.

Zone 1 (values as in this ICS Bulletin)		Zone 2		Zone 3	
Vertical	Non-vertical / Horizontal	Vertical	Non-vertical / Horizontal	Vertical	Non-vertical / Horizontal
12	6	10	5	8	4
10	5	8	4	6	3
8	4	6	4	4	2
7	3.5	5	2.5	3	1.5
6	3	4	2	2	1
5	2.5	3	1.5	1.5	0.75
4	2	2	1	1	0.5
3	1.5	1	0.5	0.5	0.25
2	1	-	-	-	-
1	0.5	-	-	-	-

Durability in years

Zone chart

Zone 1	Zone 2	Zone 3
Andorra, Austria, Belarus, Belgium, Bosnia & Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France (excluding Corsica & Réunion), Georgia, Germany, Hungary, Iceland, Ireland, Italy (North and Central), Kosovo, Latvia, Liechtenstein, Lithuania, Luxemburg, Macedonia F.Y.R., Moldova, Monaco, Montenegro, The Netherlands, Norway, Poland, Romania, Russia, San Marino, Serbia, Slovakia, Slovenia, Sweden, Switzerland, Ukraine, United Kingdom, Vatican City.	Albania, Armenia, Azerbaijan, Corsica, Greece, Italy (South of Rome), Kazakhstan, Kyrgyzstan, Malta, Mauritius, Portugal, RÅ@union, San Marino, South Africa, Spain (excluding Canary Islands), Tajikistan, Turkey, Turkmenistan, Uzbekistan.	Afghanistan, Algeria, Bahrain, Canary Islands, Cyprus, Egypt, Iraq, Israel, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Qatar, Saudi Arabia, Tunisia, United Arab Emirates, Yemen.

Exposed all sites (mentioned in zones 1, 2 and 3) above altitudes of 1000 meters.



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>
 For full warranty details see the Avery Dennison ICS Performance Guarantee Terms and Conditions available on request.
 Å©2015 Avery Dennison Corporation. All rights reserved. Avery Dennison and all other Avery Dennison brands, this publication, its content, product names and codes are owned by Avery Dennison Corporation. All other brands and product names are trademarks of their respective owners. This publication must not be used, copied or reproduced in whole or in part for any purposes other than marketing by Avery Dennison.