Avery Dennison® ICS Performance Guarantee Bulletin 2.5 - Wrapping Films

ANZ Revision number: 1 Date: 08-2016

ICS Performance Guarantee

The ICS Performance Guarantee combines our films with qualified components to form a system which is guaranteed to be compatible and provide outstanding performance. Granted to all customers working according to the relevant Avery Dennison Instructional Bulletins, the ICS Performance Guarantee offers a range of choice and flexibility. You choose the application and couple it with our films – and we provide the warranty.

Please refer to Avery Dennison ICS Performance Guarantee Terms and Conditions 1.0 for further details.

Avery Dennsion Wrapping Films	Warranted period in years Zone 1		Warranted period in years Zone 2		Warranted period in years Zone 3		Application Substrate				
Supreme Wrapping Film	Outdoor Vertical	Outdoor Horizontal	Outdoor Vertical	Outdoor Horizontal	Outdoor Vertical	Outdoor Horizontal	Flat	Simple curves	Rivets	Compound curves	Deep Recesses
- Opaque Colours (Gloss, Satin & Matte)	10	2	7	1.5	4	1	•	•	•	•	•
- Metallics (Gloss & Matte)	5	2	3.5	1	3	0.5	•	•	•	•	•
- Extreme Texture (including Carbon and Brushed)	5	2	3.5	1.5	2	1	•	•	•	•	–
- Pearlescents	5	2	3.5	1	2	0.5	•	•	•	•	•
- ColorFlow Series	5	2	3.5	1	2	0.5	•	•	•	•	•
- Diamond (Ultrametallics)	5	2	3.5	1	2	0.5	•	•	•	•	•
- Conform Chrome (including Colours and with Transparent COL's applied)	3	1.5	2	1	1	0.5	•	•	•	•	–

Avery Dennison® ICS Performance Guarantee Additional information on graphics durability

Expected Durability and Potential Durability Reductions

The expected durability of Avery Dennison films are defined as the expected performance life of the Avery Dennison graphic film(s) within the ANZ region in outdoor vertical exposure conditions.

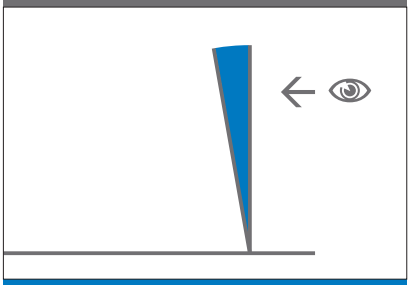
The actual performance life will depend on a variety of factors, including selection and preparation of substrate, angle and direction of exposure, application methods, environmental conditions and cleaning/maintenance of the films. In case of films used in areas of high temperatures or humidity, high 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 communicated in this 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.

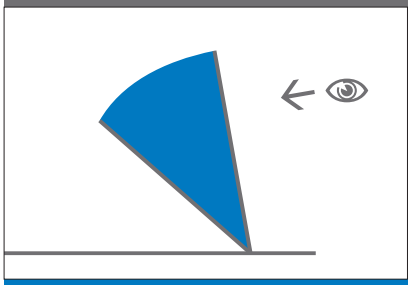
Angle and Direction of Exposure

Vertical exposure



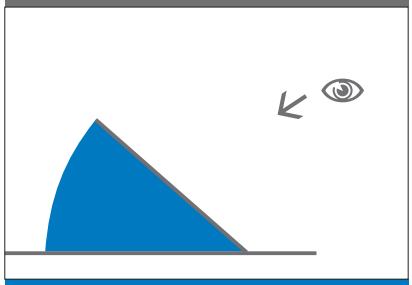
The face of the graphic is up to 10° from vertical.

Non-vertical exposure



The face of the graphic is between 10° to 45° from vertical. Specifically for Supreme Wrapping Film (SW900) Non-vertical exposure performance will be calculated using the Horizontal exposure value.

Horizontal exposure



The face of the graphic is between 45° and 90° from vertical, for Supreme Wrapping Film (SW900) Horizontal applications will be warranted as stated in the relevant ICS performance guarantee.

Other 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 of this kind have reduced durability expectations. Horizontal applications trap pollutants 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 Asia Pacific

Durability for regions located in Zone 2 may be stated in ICS Performance Guarantee Durability Bulletins and other warranty documents issued by Avery Dennison Asia Pacific. Therefore, films used in regions identified as Zone 3 will have a reduction of the stated durability by 40%. If the film is applied whereby a combination of non-vertical and Zone 3 exposure, the cumulative effect of the reduced exposures would apply. Therefore the non-vertical exposure in Zone 3 would be 70% less than the stated durability.

Zone and Non-Vertical Reduction Examples Asia Pacific

Zone 1		Zone 2 (values as in this ICS Bulletin)		Zone 3	
Vertical	Non-vertical	Vertical	Non-vertical	Vertical	Non-vertical
100%	-50% of Zone 1 Vertical	-30% Zone 1 Vertical	-50% Zone 2 Vertical	-40% Zone 2 Vertical	-70% of Zone 2 Vertical
7	3.5	5	2.5	3	1.5
5	2.5	3.5	1.75	2	1
4	2	3	1.5	1.75	0.75
3	1.5	2	1	1	-

Values in years

Asia Pacific Zone Chart

Zone 1

Australia (Tasmania)
New Zealand (South Island)

*except desert areas of the States mentioned in Zone 2

Zone 2

Australia*
Bangladesh
Bhutan
Botswana
Burkina Faso
Burundi
Cambodia
Cameroon
Cape Verde
Central African
China
Congo
East Timor
Equatorial Guinea
Fiji
Gabon
Gambia
Ghana
Guinea
Guinea-Bissau
Guyana
India
Indonesia
Ivory Coast
Japan
Kenya
Korea (South)
Laos
Lesotho
Liberia
Malaysia
Mali
Mozambique
Myanmar (Birma)
Namibia
Nepal
Niger
Nigeria
Pakistan
Papua New Guinea
Philippines
Rwanda
Samoa
Sao Tome & Principe
Senegal
Sierra Leone
Singapore
South Africa
Sri Lanka
Swaziland
Taiwan
Tanzania
Thailand
Togo
Uganda
Vietnam
Zambia
Zimbabwe

*Exceptions classified in Zone 3

Zone 3

*Exposed at all sites above altitudes of 1000 meters

*Australia – Above a line 100km north of Perth/Brisbane

*Australia – Desert areas

Chad
Ethiopia
Somalia

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