

# ICS Performance Guarantee Architectural Window Films Warranty

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 Architectural Window Films as they have already withstood rigorous scientific testing and met a very stringent set of physical performance specifications.



#### Avery Dennison brand

- Interior and Exterior product table
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# Avery Dennison

## Interior

| Performance      | Film Finish          | Products                               | Warranted durability period in years (Vertical) |  |
|------------------|----------------------|----------------------------------------|-------------------------------------------------|--|
| Solar Films      | Reflective           | R Silver 20i                           | 12                                              |  |
|                  |                      | R Silver 35i                           | 12                                              |  |
|                  |                      | R Silver 50i                           | 12                                              |  |
|                  | Dual Reflective      | DR Grey 05i                            | 12                                              |  |
|                  |                      | DR Grey 15i                            | 12                                              |  |
|                  |                      | DR Optitune 20 i                       | 12                                              |  |
|                  |                      | DR Optitune 30 i                       | 12                                              |  |
|                  | Spectrally Selective | SP e-Lite 45i***                       | 10                                              |  |
|                  |                      | SP e-Lite 70i***                       | 10                                              |  |
|                  | Solar Neutral Films  | NT PerLite Ceramic 50 i                | 12                                              |  |
|                  |                      | NT PerLite Ceramic 70 i                | 12                                              |  |
| Safety Films     | Clear                | SF Clear 4 mil i / SF Clear 4 mil i EC | 12                                              |  |
|                  |                      | SF Clear 7 mil i                       | 12                                              |  |
|                  |                      | SF Clear 8 mil i                       | 12                                              |  |
|                  |                      | SF Clear 12 mil i                      | 12                                              |  |
|                  |                      | SF Clear 15 mil i                      | 12                                              |  |
|                  |                      | SF Matt 5 mil i                        | 12                                              |  |
|                  |                      | SF Matt 12 mil i                       | 12                                              |  |
|                  | Solar                | R Silver 4 mil i                       | 12                                              |  |
| Anti Graffiti    | Clear                | AG Universal 4 mil ix                  | 10                                              |  |
|                  |                      | AG Universal 6 mil ix                  | 10                                              |  |
| Speciality Films | Clear                | DS Matte 2 mil i                       | 12                                              |  |
|                  |                      | DS UV Filter 2 mil i                   | 12                                              |  |

## Exterior\*\*\*\*

| Performance      | Film Finish                            | Products                         | Warranted durability period in years |                    |
|------------------|----------------------------------------|----------------------------------|--------------------------------------|--------------------|
|                  |                                        |                                  | Vertical¹                            | Horizontal/ Sloped |
| Solar Films      | Reflective                             | R Silver 20X                     | up to 10¹                            | up to 5¹           |
|                  |                                        | R Silver 35X                     | up to 10¹                            | up to 5¹           |
|                  |                                        | R Silver 50X                     | up to 7¹                             | up to 4¹           |
|                  |                                        | DS Bronze 20X                    | 4                                    | 2.5                |
|                  |                                        | R Silver 20 Poly X               | up to 7¹                             | up to 4¹           |
|                  | Dual Reflective / Spectrally Selective | DR Grey 10X                      | 5**                                  | 3                  |
|                  |                                        | DR Grey 20X                      | 5**                                  | 3                  |
|                  |                                        | DR Grey 35X                      | 5**                                  | 3                  |
|                  |                                        | DR Grey 50X                      | 4                                    | 2                  |
|                  |                                        | SP e-Lite 45 X                   | 7                                    | 3                  |
|                  |                                        | SP e-Lite 70 X                   | 7                                    | 3                  |
|                  |                                        | OptiLite 75 X                    | 5                                    | 3                  |
|                  | XTRM Series¹                           | R Silver 20 XTRM PRO             | 15²                                  | 5                  |
|                  |                                        | Skylite 20 XTRM PRO*****         |                                      | 10²                |
|                  |                                        | Skylite 20 XTRM PRO Poly*****    |                                      | 10                 |
|                  |                                        | SkyLite Silver 20 XTRM PRO       |                                      | 10                 |
|                  |                                        | DR Grey 10 XTRM PRO              | 8² (Up to 10)                        | 4¹                 |
|                  |                                        | DR Grey 35 XTRM PRO              | 8² (Up to 10)                        | 4¹                 |
|                  |                                        | SS Natural 70 XTRM               | 12                                   | 6                  |
| Safety Films     | Clear                                  | SF Clear 4 mil X                 | 5                                    | 3                  |
|                  |                                        | SF Clear 7 mil X                 | 5                                    | 3                  |
| Anti Graffiti    | Clear                                  | AG Universal ix 4mil             | 2                                    | 2                  |
|                  |                                        | AG Universal ix 6mil             | 2                                    | 2                  |
| Speciality Films | Poly Films                             | Clear 4 mil Poly X               | 4                                    | 3                  |
|                  |                                        | Avery Dennison Edge Sealing Tape | Up to 12                             | 5                  |

## Additional information on warranty period

### Definition of warranty period and potential warranty period reductions

The warranty period which may be applicable to Avery Dennison Architectural Window Films are defined as the expected performance life of the Avery Dennison Architectural Window Films within the European region in outdoor vertical exposure conditions. The warranty period is defined such that the films will not deteriorate excessively.

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 warranty period might be further reduced below levels stated in this ICS Performance Guarantee document.

### Definition of warranty period and potential warranty period reductions for Avery Dennison XTRM & XTRM PRO Series²

| Warranty up to 15 years as follows on R Silver 20 XTRM, R Silver 20 XTRM PRO |                          |
|------------------------------------------------------------------------------|--------------------------|
| Central Europe (above 40 N latitude)                                         | Between 15N-40N Latitude |
| 12 years full coverage                                                       | 11 years full coverage   |
| 13 years - 70% coverage                                                      | 12 years - 70% coverage  |
| 14 years - 50% coverage                                                      | 13 years - 50% coverage  |
| 15 years - 30% coverage                                                      | 14 years - 30% coverage  |
|                                                                              | 15 years - 20% coverage  |

| SkyLite 20 XTRM PRO                  |                            |
|--------------------------------------|----------------------------|
| Central Europe (above 40 N Latitude) | Between 15 N-40 N Latitude |
| 10 years (H)                         | 8 years (H)                |

  

| DR Grey XTRM PRO Series                                                           |                            |
|-----------------------------------------------------------------------------------|----------------------------|
| Central Europe (above 40 N Latitude)                                              | Between 15 N-40 N Latitude |
| 8 years (V) / 4 years (H)                                                         | 7 years (V) / 3 years (H)  |
| Up to 10 years per specific project based on written approval from Avery Dennison |                            |

### Angle and direction of exposure

| Vertical                                           | Non-vertical                                                 | Horizontal                                                    |
|----------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|
|                                                    |                                                              |                                                               |
| The face of the graphic is up to 10° from vertical | The face of the graphic is between 10° and 85° from vertical | The face of the graphic is between 85° and 90° from vertical. |

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, increa-sing the impact of UV exposure and reducing durability.

\* Vertical exposure, European climatic conditions  
\*\* 5th year prorated to 30% film value  
\*\*\* Edge Sealing required within a distance of 10 miles/16 km from the sea. Use Dow Corning 795 or 1199 (clear). Max 5000 by GE or equivalent neutral silicone seal agent, Avery Dennison Edge Sealing Tape can be used as well. No edge sealing required on such locations in case of fixed/stationary/immovable windows that are not exposed to environment.  
\*\*\*\* All exterior films require sealing! Use a neutral silicone edge sealant for external use such as Dow Corning 995 or 885, GE Max 5000, or an equivalent neutral silicone sealing agent for extremely long-term (12-15 years) external application on all four sides of the film. Make sure that the silicone sealant is applied according to the sealant manufacturer instructions.  
\*\*\*\*\* No need to edge seal unless water pooling on edges.

1Zone chart

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 as Zone 2 will have a reduction of one year. Films used in regions identified in Zone 3 will have a reduction of the stated durability of Zone 2 by an additional two years.

The durability in regions as located in Zone 1 will perform in horizontal/sloped applications as stated in the product datasheets and this particular ICS Performance Guarantee Bulletin. Films used in regions identified as Zone 2 and Zone 3 will have a reduction of one year. DS Bronze 20X will have a reduction of 1.5 years.

| Zone 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Vertical            | Non-vertical / Horizontal |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|
| 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. | 10 years<br>7 years | 5 years<br>4 years        |
| Zone 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Vertical            | Non-vertical / Horizontal |
| Albania, Armenia, Azerbaijan, Corsica, Greece, Italy (South of Rome), Kazakhstan, Kyrgyzstan, Malta, Mauritius, Portugal, Reunion, San Marino, South Africa, Spain (excluding Canary Islands), Tajikistan, Turkey, Turkmenistan, Uzbekistan.                                                                                                                                                                                                                                                    | 9 years<br>6 years  | 4 years<br>3 years        |
| Zone 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Vertical            | Non-vertical / Horizontal |
| Afghanistan, Algeria, Bahrain, Canary Islands, Cyprus, Egypt, Iraq, Israel, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Qatar, Saudi Arabia, Tunisia, United Arab Emirates, Yemen.                                                                                                                                                                                                                                                                                                           | 7 years<br>4 years  | 4 years<br>3 years        |

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



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