

# Spectrally Selective Interior Films

See the light, feel the difference



Avery Dennison's Spectrally Selective interior window films are ideal for application on residential buildings, museums, historical and heritage buildings and commercial projects to effectively reduce solar heat gain and yet to preserve window transparency and maximize viable light transmission.

**Spectrally Selective films present an energy-saving choice that protects interiors from UV damage and fading, maintains interior comfort and compromises neither façade nor view.**

## SP e-Lite i WA PS

**SP e-Lite i** interior window films deliver excellent levels of heat rejection that maintain cool, comfortable interiors, whilst preserving the natural appearance of both the glass and the building exterior. The films' neutral color features low visible reflection inside and out, and effectively reduces excessive solar heat. Available in 45 and 70% VLT, **SP e-Lite i** interior window films are compatible with all glass glazed window systems and are particularly popular in historical buildings, museums and residential projects.

This image has been simulated and is not actual product comparison



SP e-Lite 45i

SP e-Lite 70i

## Features and Benefits

- > High visible light transmission that is barely discernible on glass; high levels of natural daylight
- > High heat rejection for enhanced comfort and reduced cooling costs
- > Low reflectivity preserves views night and day
- > 99+% UV block reduces fading and damage from the sun
- > Natural appearance maintains building's original façade



UV Block



Lower heat gain



Light control



Aesthetics

| Optical and Solar Properties**      | SP e-Lite 45i        |        | SP e-Lite 70i        |        |
|-------------------------------------|----------------------|--------|----------------------|--------|
| Item Number                         | R081I4W / R081IS4 PS |        | R081ISW / R081IS7 PS |        |
| Pane                                | Single               | Double | Single               | Double |
| Visible Light Transmitted           | 44%                  | 40%    | 66%                  | 61%    |
| Visible Light Reflected (Interior)  | 12%                  | 14%    | 15%                  | 18%    |
| Visible Light Reflected (Exterior)  | 17%                  | 23%    | 16%                  | 21%    |
| Ultra Violet Block                  | 99%                  | 99%    | 99%                  | 99%    |
| Total Solar Energy Reflected        | 24%                  | 26%    | 23%                  | 25%    |
| Total Solar Energy Transmitted      | 26%                  | 23%    | 36%                  | 33%    |
| Total Solar Energy Absorbed         | 50%                  | 51%    | 41%                  | 42%    |
| Emissivity (Room Side)              | 0.83                 | 0.83   | 0.73                 | 0.73   |
| Glare Reduction                     | 51%                  | 50%    | 27%                  | 25%    |
| Selective InfraRed Reduction (SIRR) | 86%                  | 86%    | 87%                  | 87%    |
| InfraRed Energy Rejection (IRER)    | 69%                  | 69%    | 71%                  | 71%    |
| Shading Coefficient                 | 0.47                 | 0.58   | 0.55                 | 0.64   |
| Solar Heat Gain Coeff. (G-Value)    | 0.41                 | 0.51   | 0.48                 | 0.56   |
| U-Value Winter (IP)                 | 1.04                 | 0.48   | 0.98                 | 0.46   |
| U-Value Winter (SI)                 | 5.88                 | 2.72   | 5.59                 | 2.64   |
| Luminous Efficacy                   | 0.94                 | 0.69   | 1.20                 | 0.95   |
| Total Solar Energy Rejected (%)     | 59%                  | 49%    | 52%                  | 44%    |

\*\* Performance results are calculated on 3 mm glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards and are only intended for estimating purposes.

#### About Avery Dennison

Avery Dennison (NYSE: AVY) is a global materials science and manufacturing company specializing in the design and manufacture of a wide variety of labeling and functional materials. Headquartered in Glendale, California, the company employs approximately 30,000 employees in more than 50 countries. Reported sales in 2017 were \$ 6.6 billion. Learn more at [www.averydennison.com](http://www.averydennison.com)



Graphics  
Solutions

For more information please contact  
**Kingston Coatings, LLC**

Sidney McAlister 615-491-4265

Main 615-952-4903 Text 24/7 615-330-5294

[sales@kingstoncoatings.com](mailto:sales@kingstoncoatings.com)

[www.kingstoncoatings.com](http://www.kingstoncoatings.com)