



Architectural Window Film

Data Sheet

SolarZone™ Interior

E-Lite™ 45, 70

Introduction

The SolarZone range of Spectrally Selective window films, E-Lite and OptiLite, effectively reduce solar heat gain while retaining high levels of daylight and preserving the natural appearance of the glass. Spectrally Selective films present the energy-saving choice that compromise neither façade nor view. E-Lite films selectively filter solar radiation, allowing high levels of natural light, while effectively blocking heat and UV radiation. Developed using a sophisticated combination of layered optical filters combined with nano-particle technology, e-Lite films have such low reflectance and neutral coloring that they're barely visible on the pane, yet still deliver the outstanding heat rejection of a high-performance film.

Typical Usage

- Interior applications both in commercial and private projects

Product Construction

Face: E-Lite 45, 70

Adhesive: Pressure sensitive permanent - solvent based acrylic

Liner: PET

Certificates

Fire: DIN EN 13501-1: 2010 B-s1, d0



Shelf Life and storage conditions:

When stored in original packaging upon arrival at the customer: 2 years.

Recommended Storage conditions are 20 °C (± 2 °C) with 50 %RH (± 5 %).

Key Features

- Enhancing the efficiency of high performing, reflective, tinted, laminated, or Low E glass
- E-Lite Xtra provides an effective yet discrete energy saving solution that preserves the architectural integrity of high-end commercial and residential projects

Film Performance

Warranted Durability in Years:

	E-Lite 45	E-Lite 70
Durability	10	10



Hanita Coatings

Optical & Solar Properties

Glazing Unit: Pane Single Clear 3mm	E-Lite 45	E-Lite 70
Visible Light Transmitted %	44	66
Visible Light Reflected - Interior %	12	15
Visible Light Reflected - Exterior %	17	16
UV Block %	99	99
Total Solar Energy Reflected %	24	23
Total Solar Energy Transmitted %	26	36
Total Solar Energy Absorbed %	50	41
Emissivity (Room Side)	0.83	0.73
Glare Reduction %	51	27
Selective InfraRed Reduction %	86	87
InfraRed Energy Reduction %	69	71
Shading Coefficient	0.47	0.55
Solar Heat Gain Coefficient (G-Value)	0.41	0.48
U-Value Winter (IP)	1.04	0.98
U-Value Winter (SI)	5.88	5.59
Luminous Efficacy	0.94	1.20
Total Solar Energy Rejected	59	52



Important notice 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.

Disclaimer and warranty Avery Dennison warrants that its Products meet its specifications. Avery Dennison gives no other express or implied guarantees or warranties with respect to the Products, including, but not limited to, any implied warranties of merchantability, fitness for any particular use and/or non infringement. All Avery Dennison products are sold with the understanding that the purchaser has independently determined the suitability of such products for its purposes. The period of warranty is one (1) year from the date of shipment unless expressly provided otherwise in the product data sheet. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>. Avery Dennison's aggregate liability to Purchaser, whether for negligence, breach of contract, misrepresentation or otherwise, shall in no circumstances exceed the price of the defective, non-conforming, damaged or undelivered Products which give rise to such liability as determined by net price invoices to Purchaser in respect of any occurrence or series of occurrences. In no circumstances shall Avery Dennison be liable to Purchaser for any indirect, incidental or consequential loss, damage or injury, including without limitation, loss of anticipated profits, goodwill, reputation, or losses or expenses resulting from third party claims.