



Architectural Window Film

Data Sheet

SolarZone™ Exterior e-Lite™ 45, 70 Xtra

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

- Exterior 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 Certificates: 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 Xtra	e-Lite 70 Xtra
Vertical	7	7
Horizontal / Sloped	3	3



Hanita Coatings

Optical & Solar Properties

Glazing Unit: Pane Single Clear 3mm	e-Lite 45 Xtra	e-Lite 70 Xtra
Visible Light Transmitted %	47	67
Visible Light Reflected - Interior %	12	17
Visible Light Reflected - Exterior %	17	18
UV Block %	99	99
Total Solar Energy Reflected %	30	30
Total Solar Energy Transmitted %	27	37
Total Solar Energy Absorbed %	43	33
Emissivity (Room Side)	0.84	0.84
Glare Reduction %	48	25
Selective InfraRed Reduction %	86	83
InfraRed Energy Reduction %	72	70
Shading Coefficient	0.45	0.54
Solar Heat Gain Coefficient (G-Value)	0.39	0.47
U-Value Winter (IP)	1.04	1.04
U-Value Winter (SI)	5.92	5.92
Luminous Efficacy	1.04	1.24
Total Solar Energy Rejected	61	53



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