



## Architectural Window Film

### Data Sheet

#### **SafetyZone™ SolarZone™ Interior 8 mil e-Lite™ 70**

#### Introduction

Spectrally selective 8 mil film, with exceptional levels of heat rejection and a near-glass transparency, combines energy-efficiency with enhanced security - without altering the building's façade.

#### Typical Usage

- Interior applications where the need for safety and solar control are required
- In downtown areas or commercial districts where there is a high concentration of glass-fronted buildings or shop windows
- For buildings in the vicinity of potentially explosive sites
- In regions prone to the threat of natural disaster

#### Product Construction

Face: 8 mil

Adhesive: Pressure sensitive permanent - solvent based acrylic

Liner: PET

#### 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

- Increased protection from glass shattered by impact, blast, crime or natural disaster
- Solar heat and glare rejection for enhanced comfort
- High levels of energy efficiency for reduced energy consumption and carbon footprint
- 99% UV block to cut fading and sun damage

## Film Performance

Warranted Durability in Years:

|            |                  |
|------------|------------------|
|            | E-Lite 70, 8 mil |
| Durability | 10 years         |

## Mechanical Properties

|                           |                  |
|---------------------------|------------------|
|                           | E-Lite 70, 8 mil |
| Thickness                 | 8 mil            |
| Tensile Strength at Break | 28,500 PSI       |
| Break Strength            | 220 lb/inch      |
| Elongation at Break       | 125%             |
| Peel Strength             | 7 lb/inch        |



Hanita Coatings

### Optical & Solar Properties

|  |                     |
|--|---------------------|
| Glazing Unit: Pane Single<br>Clear 3mm   | E-Lite 70, 8<br>mil |
| Visible Light Transmitted %              | 65                  |
| Visible Light Reflected -<br>Interior %  | 18                  |
| Visible Light Reflected -<br>Exterior %  | 18                  |
| UV Block %                               | 99                  |
| Total Solar Energy Reflected<br>%        | 25                  |
| Total Solar Energy<br>Transmitted %      | 38                  |
| Total Solar Energy Absorbed<br>%         | 37                  |
| Emissivity (Room Side)                   | 0.73                |
| Glare Reduction %                        | 27                  |
| Selective InfraRed Reduction<br>%        | -                   |
| InfraRed Energy Reduction<br>%           | -                   |
| Shading Coefficient                      | 0.56                |
| Solar Heat Gain Coefficient<br>(G-Value) | 0.49                |
| U-Value Winter (IP)                      | 1.03                |
| U-Value Winter (SI)                      | 5.85                |
| Luminous Efficacy                        | 1.16                |
| Total Solar Energy Rejected              | 51                  |



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