



## Architectural Window Film

### Data Sheet

#### **SafetyZone™ SolarZone™ Exterior 5 mil Silver™ 20 Xtra**

#### Introduction

SolarZone Safe films combine the shard protection of SafetyZone security films with high levels of energy efficiency for a significant return on investment. Go beyond passive glazing protection. Install Hanita's security laminates that deliver solar control properties that reduce unwelcome heat buildup, contributing to energy efficiency.

#### Typical Usage

- Exterior 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 more prone to the threat of natural disaster

#### Product Construction

Face: 5 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

- Silver Safe Reflective films combine the reinforced protection of security laminates with:
- Superb heat rejection
- UV block
- Sophisticated appearance

## Film Performance

Warranted Durability in Years:

	Silver 20, 5 mil Xtra
Vertical	7
Horizontal / Sloped	4

## Mechanical Properties

	Silver 20, 5 mil Xtra
Thickness	5 mil
Tensile Strength at Break	28,500 PSI
Break Strength	145 lb/inch
Elongation at Break	125%
Peel Strength	7 lb/inch



Hanita Coatings

## Optical &amp; Solar Properties

Glazing Unit: Pane Single Clear 3mm	Silver 20, 5 mil Xtra
Visible Light Transmitted %	17
Visible Light Reflected - Interior %	62
Visible Light Reflected - Exterior %	63
UV Block %	99
Total Solar Energy Reflected %	64
Total Solar Energy Transmitted %	13
Total Solar Energy Absorbed %	23
Emissivity (Room Side)	0.84
Glare Reduction %	81
Selective InfraRed Reduction %	94
InfraRed Energy Reduction %	81
Shading Coefficient	0.23
Solar Heat Gain Coefficient (G-Value)	0.19
U-Value Winter (IP)	1.04
U-Value Winter (SI)	5.91
Luminous Efficacy	0.76
Total Solar Energy Rejected	81



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