

## Architectural Window Film

### Data Sheet

#### **SolarZone™ Exterior**

#### **XTRM SkyLite™ 20 PRO, XTRM Polyzone™ SkyLite™ PRO**

#### Introduction

XTRM PRO is our new durable exterior product line, where the XTRM SkyLite™ PRO is designed for sloped/horizontal applications (typically roofing glazing systems). It is based on a new UV-durable surface coating, extending the product's longevity in harsh outdoor conditions, combined with a unique metal alloy that provides outstanding corrosion resistance. Product is designed without a SR topcoat, however installation is done with a protective cap for scratch-free application (removed after installation).

#### Typical Usage

- Commercial projects, for a short Return on Investment.
- XTRM PRO's long service life exterior films offer the ideal solution for reducing heat build-up – and energy bills – over the long term. With a prolonged service life, you gain greater savings for longer.

#### Product Construction

- Face protective liner: PET
- Face: XTRM SkyLite™ 20 PRO / XTRM Polyzone™ SkyLite™ 20 PRO, 1-ply structure.
- 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

- **Enhanced durability** - long-term warranty (including hot & humid areas) supported by exceptional anti-corrosion metal alloy and UV-durable coating.
  - Advanced design enables application without the need to edge seal\*
- **Sustainable** solution cutting energy cooling costs with short ROI, designed and processed in a way to minimize carbon footprint impact.
- **Appealing aesthetics** - neutral appearance with high optical quality.
- **Solutions available** for roofing applications on both glass or plastics substrates.
  - Compatible with clear glass(monolithic and laminated), tinted single panes, and clear IGUs\*\*
  - Polyzone™ line compatibility according to Polyzone™ installation guidelines.

\*Edge sealing is required for any applications where water is pooling on edges.

\*\* Application on other advanced glazing systems requires the outer pane to be tempered/heat strengthened.

## Film Performance

Warranted Durability in Years<sup>1)</sup>:

	SkyLite 20 XTRM Pro	SkyLite 20 Poly XTRM Pro
Vertical	-	-
Horizontal / Sloped	10	10

- More information can be found in the ICS Performance Guarantee documentation.

### 1) Warranted Durability

The warranty mentioned above is limited to installation locations of latitude Above 40°N. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased. With regard to Avery Dennison Architectural Window Film Products, the durability shall not differ between the climatic zones, but the same durability shall apply to all climatic zones.

## Optical & Solar Properties : XTRM SkyLite™ 20 PRO & XTRM Polyzone™ SkyLite™ 20 PRO

Glazing Unit: Pane Single Clear 3mm	Single Pane	Double Pane
Visible Light Transmitted %	23	21
Visible Light Reflected - Interior %	31	35

Visible Light Reflected - Exterior %	26	27
UV Block %	99.9	99.9
Total Solar Energy Reflected %	26	26
Total Solar Energy Transmitted %	20	17
Total Solar Energy Absorbed %	54	57
Emissivity (Room Side)	0.84	0.84
Glare Reduction %	74	74
Selective InfraRed Reduction %	81	85
InfraRed Energy Reduction %	64	74
Shading Coefficient	0.42	0.31
Solar Heat Gain Coefficient (G-Value)	0.37	0.27
U-Value Winter (IP)	1.04	0.48
U-Value Winter (SI)	5.91	2.75
Luminous Efficacy	0.55	0.68
Total Solar Energy Rejected %	63	73

Calculated using LBNL optics/window, according to ISO 15099 and W5\_NFRC\_2003.

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