

# Polycarbonate Window Films

High-Performance Films for  
Plastic Glazing Systems



Why Choose Polycarbonate Window Films?

Unlike standard glass window films, Avery Dennison & Hanita Polycarbonate Window Films are engineered to adhere reliably to plastic surfaces, such as polycarbonate. They offer enhanced durability, flexibility, and long-term performance, where traditional films create bubbles, peel, crack or degrade.

**AG Universal ix**  
(interior and exterior application) provides resistance to scratching, protects glass and polycarbonate from acid and allows easy cleaning of most sprays, paints and pens.

**DS White Poly X**  
(exterior application)  
Polymeric film with permanent adhesive for used Polycarbonate surfaces.

**SkyLite 20 XTRM PRO Poly / XTRM SkyLite 20 Poly PRO**  
(exterior application)  
Engineered to withstand demanding horizontal and sloped exterior roof applications.

**Clear Poly X / PolyZone Clear Xtra**  
(exterior application)  
Shields the surface from weather, yellowing, and environmental wear.

**Clear Poly i / PolyZone Clear**  
(interior application)  
Protects from scratches, UV fading, and damage.

**R Silver X Poly / PolyZone Silver Xtra**  
(exterior application)  
Elevated solar performance, daytime privacy.

Portfolio overview



SkyLite 20 XTRM PRO  
Poly / XTRM SkyLite  
20 Poly PRO

Our Skylight films are specifically engineered to withstand demanding horizontal and sloped exterior roof applications. SkyLite 20 XTRM PRO Poly was developed for exterior adhesion to rigid plastics such as Polycarbonate and PMMA. The advanced design enables application without the need to edge seal\*.

Main benefits

- Adhesion compatibility with plastic surfaces, especially polycarbonate and PMMA
- Neutral appearance
- Long term warranty (up to 10 years)
- No need to edge seal

Application: horizontal

- Warehouse offices (skylight)
- Airports, hospitals, schools for energy efficiency and comfort (skylight)

\*Speak with your Avery Dennison window film sales representative for complete warranty details.

DS White Poly X

DS White Poly X is a high-performance polymeric film designed to mitigate heat gain on used polycarbonate surfaces. Featuring a permanent adhesive for secure bonding, this film allows for convenient wet application, streamlining installation. Its superior light transmission properties ensure your space remains bright and inviting, even with heat reduction.

Main benefits

- Reducing the heat build up of the building with good light transmission
- Polymeric film with permanent adhesive for used Polycarbonate surfaces
- Wet application possibility

Application: horizontal

- Skylights made of polycarbonate (common in warehouses, factories, or shopping centers)
- Sports stadiums, gyms, swimming pool enclosures, or other facilities with transparent polycarbonate roofs or walls

Surface Protection  
Window Films

Clear Poly i / PolyZone Clear 4 mil interior films suit plastic glazing systems in busy areas such as transportation shelters, walkways, acoustic barriers, stadiums and train windows.

Main benefits

- 99% UV block, limiting fading and sun damage
- Compatible with most plastic glazing systems

Clear Poly X / PolyZone Clear Xtra films suit exterior application and are available in 4 & 6 mil thicknesses.

Main benefits

- Compatible with most plastic glazing systems

AG Universal ix: Universal film for interior and exterior applications, glass and polycarbonate with removable adhesive.

Main benefits

- A special hard surface coating provides resistance to scratching, protects glass and polycarbonate from acid and allows easy cleaning of most sprays, paints and pens. Removing and replacing scratched or damaged film is fast and easy, thanks to a removable adhesive. These transparent films are available in two different thicknesses.

Application for all 3: vertical

- Ideal for areas prone to vandalism, abrasion, or environmental exposure

Reflective Solar  
Window Films

R Silver X Poly / PolyZone Silver Xtra exterior window film suits polycarbonate and other rigid plastic substrates.

Main benefits

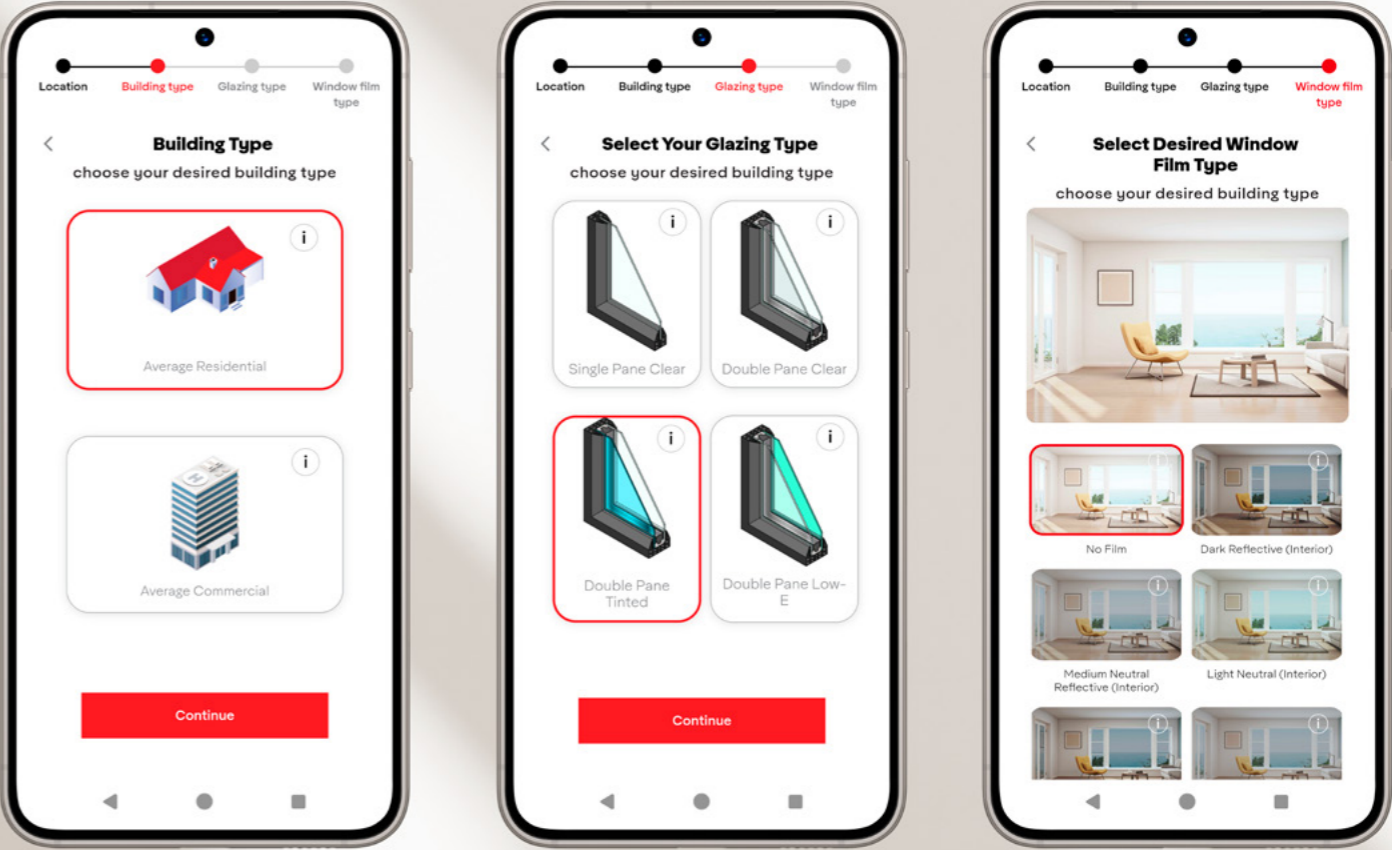
- Option for most rigid plastic glazing systems
- Elevated solar performance with exterior application

Application: vertical

- Warehouses with polycarbonate roof sheets
- Bus stops, train stations, and airport terminals with exposed plastic glazing

Product portfolio

| Category                        | Product                                | Description   | Key Benefits  | Application        | Suggested applications  |
|---------------------------------|--|---|---|--------------------|---|
| XTRM PRO Exterior Window Film   | SkyLite 20                             | Engineered for demanding horizontal and sloped exterior applications on polycarbonate and PMMA. Requires no edge sealing.   | • No edge sealing required<br>• Durable in extreme conditions   | Sloped/ Horizontal | • Warehouse skylights<br>• Airports, hospitals, schools<br>• Industrial roofs               |
|                                 | XTRM PRO Poly                          |   |   |                    |   |
|                                 | / XTRM SkyLite                         |   |   |                    |   |
|                                 | 20 Poly PRO                            |   |   |                    |   |
| Reflective Solar Window Films   | R Silver X Poly / PolyZone Silver Xtra | Reflective exterior film for vertical applications on polycarbonate and rigid plastic substrates.                           | • High solar reflectivity<br>• Enhances comfort & energy efficiency   | Vertical           | • Warehouse windows that need privacy<br>• Bus stops, train stations<br>• Airport terminals |
| Surface Protection Window Films | DS White Poly X                        | High-performance polymeric film for polycarbonate, reducing heat gain while maintaining light. Allows easy wet application. | • Reduces solar heat<br>• Secure wet application<br>• Good light transmission<br>• Permanent adhesive for used Polycarbonate surfaces | Horizontal         | • Polycarbonate skylights<br>• Factory or gym roofs<br>• Shopping center canopies           |
|                                 | AG Universal ix                        |   |   |                    |   |
|                                 | Clear Poly i / PolyZone Clear          |   |   |                    |   |
|                                 | Clear Poly X / PolyZone Clear Xtra     |   |   |                    |   |
|                                 |  | Interior 4 mil film for plastic glazing in high-traffic or vulnerable environments.   | • 99% UV protection<br>• Prevents sun damage and fading   | Vertical           | • Stadiums, walkways<br>• Acoustic barriers   |
|                                 |  | Exterior 4 & 6 mil films for protecting exposed plastic glazing from environmental wear.                                    | • Strong exterior protection  | Vertical           | • Public glazing panels<br>• Vandalism-prone areas  |



Energy Savings  
Calculator

Avery Dennison & Hanita Solar Window Films filter lower heat gain passing through the glass to effectively reduce heat buildup, keeping interiors cooler and reducing air conditioner workload. Lower energy consumption means less associated carbon emissions and improved carbon footprint.

Explore our NEW custom calculator developed to estimate how our Solar Control Window Films can increase energy efficiency and sustainability based on building type.

[adsolarcalc.com](https://adsolarcalc.com)



[graphics.averydennison.com/eu-en](https://graphics.averydennison.com/eu-en)



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