

Avery Dennison
Graphics Solutions
Product Overview

Asia Pacific - ANZ
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Surface Protection Window Films

Preservation of glass and
rigid plastic substrate glazing
systems

Surface protection window films by Avery Dennison® for glass or rigid plastic substrates are engineered to prolong the glazing system's service life. The wipe-clean, protective sacrificial film, has a novel adhesion formulation that enables clean and easy removal without leaving residue. Our films protect vulnerable surfaces from spray, paint, pen, scratches and etchings.

Providing a cost effective solution for protecting glazing systems in public places from vandalism and damage.

Clear Poly X™

Clear Poly X exterior surface protection window films protect rigid plastic glazing systems from graffiti, vandalism and everyday wear and tear. Clear Poly X films provide an ideal surface protection solution for plastic glazing systems in busy areas such as transportation shelters, walkways, acoustic barriers, stadiums and train windows. The scratch resistant coating gives resistance to scratches, protects surfaces from acid and enables easy cleaning of most sprays, paints and pen marks. The convenient clean removal feature allows simple film replacement without leaving adhesive residue.

Clear Poly X is available in 4 & 6 mil thicknesses.



AG Clear ix™

AG Clear ix surface protection window films by Avery Dennison can be applied universally on the interior or exterior side of most glass window systems for anti-graffiti protection. AG Clear ix provides a tough, invisible layer between vandals and glass, helping to keep vulnerable surfaces clear, clean and scratch free. The convenient clean removal feature allows simple film replacement without leaving adhesive residue.

AG Clear ix is available in 4 & 6 mil thicknesses.



Features and Benefits



Anti-graffiti



UV Block

Clear Poly X provides:

- 99% UV block limits fading and damage from the sun
- Installation compatible to most plastic window systems*
- Film hard coat provides wipe-clean surface protection from graffiti
- Fast clean and easy replacement without leaving adhesive residue
- Provides a cost effective alternative to replacing damaged plastic glazing systems

AG Clear ix provides:

- Up to 97% UV block limits fading and damage from the sun
- Film hard coat provides wipe-clean surface protection from graffiti
- Fast, clean and easy replacement without leaving adhesive residue
- Provides a cost effective alternative to replacing damaged glass glazing systems
- Compatible to most glass glazing systems

Optical and Solar Properties¹

	Clear 4 mil Poly X™	Clear 6 mil Poly X™	AG Clear 4 mil ix™	AG Clear 6 mil ix™
Item Number	R1210XP	R1731XP	R123G3X	R173G3X
Pane	Single	Single	Single	Single
Visible Light Transmitted	88%	88%	90%	90%
Visible Light Reflected (Interior)	10%	10%	11%	12%
Visible Light Reflected (Exterior)	10%	10%	11%	12%
Ultra Violet Block	99%	99%	92%	97%
Total Solar Energy Reflected	10%	9%	10%	11%
Total Solar Energy Transmitted	80%	80%	82%	82%
Total Solar Energy Absorbed	10%	11%	8%	7%
Glare Reduction	2%	2%	0%	2%
Shading Coefficient	0.96	0.95	0.97	0.97
Solar Heat Gain Coeff. (G-Value)	0.83	0.82	0.84	0.84
U-Value Winter (IP)	1.04	1.07	1.04	1.07
U-Value Winter (SI)	5.91	6.05	5.91	6.0
Total Solar Energy Rejected (TSER)	17%	18%	16%	16%




Mechanical Properties

	4 mil	6 mil	4 mil	6 mil
Thickness	4 mil	6 mil	4 mil	6 mil
Tensile Strength at Break	28,500 PSI	28,000 PSI	28,500 PSI	28,500 PSI
Break Strength	112 lb/ inch	125 lb/ inch	112 lb/ inch	125 lb/inch
Elongation at Break	125%	150%	125%	125%
Peel Strength	1-2 lb/ inch	1-2 lb/ inch	2-3 lb/ inch	2-3 lb/inch

¹ Performance results are calculated on 1/8" (3mm) glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards. Performance calculations should only be used for estimating purposes.

² Shelf Life: 2 years, stored in original packaging at 22° ±3°C / 50-55% RH

For more information, contact Avery Dennison customer service or your sales representative, or visit graphicsap.averydennison.com

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