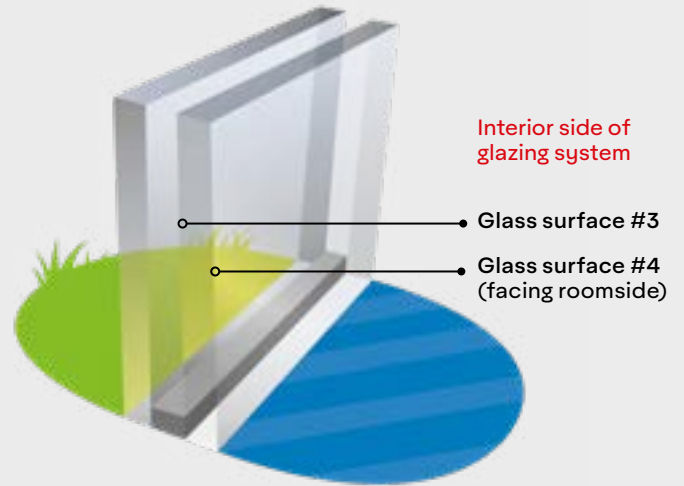


# Film to Glass Application Chart

# Interior



	Single Pane		IG Unit			Clear IG Unit Low E	
	Clear	Tinted	Clear	Tinted	Triple Pane Clear	On #3	High Performance On #2
<b>Reflective</b>							
R Silver 20i	✓	✓	✓	●	●	●	●
R Silver 35i	✓	✓	✓	●	●	✓	✓
R Silver 50i	✓	✓	✓	✓	●	✓	✓
<b>Dual Reflective</b>							
DR Optitune 20 i	✓	✓	✓	●	○	○	✓
DR Grey 05i	✓	✓	✓	●	○	○	✓
DR Grey 15i	✓	✓	✓	●	○	○	✓
<b>Neutral</b>							
NT PerLite Ceramic 50 i	✓	✓	✓	✓	○	✓	✓
NT PerLite Ceramic 70 i	✓	✓	✓	✓	○	✓	✓
<b>Spectrally Selective<sup>1</sup></b>							
SP e-Lite 45i	✓	✓	✓	✓	○	○	✓
SP e-Lite 70i	✓	✓	✓	✓	●	✓	✓
<b>Specialty Films</b>							
DS Matte i	✓	✓	✓	✓	✓	●	✓
DS UV Filter i	✓	✓	✓	✓	✓	✓	✓
<b>Clear Films</b>							
SF Clear 4,7,8,12 mil i (EC)	✓	✓	✓	✓	✓	✓	✓
<b>Matt films</b>							
SF Matt 5, 12 mil i	✓	✓	✓	✓	✓	●	✓
<b>Surface Protection</b>							
AG Universal ix 4mil	✓	✓	✓	✓	✓	✓	✓
AG Universal ix 6mil	✓	✓	✓	✓	✓	✓	✓

✓ **COMPATIBLE**

Tinted glazing recommendations are based upon simulations done on 45% VLT tinted glass. Film can be applied on darker tinted glass if glass is fully tempered or based on written approval from Avery Dennison technical support.

● **CONDITIONAL COMPATIBILITY**

Film can be applied if VLT is not below 45% or if glass is fully tempered. For Triple-pane Compatibility Check & Thermal Breakage Analysis needed\*.

○ **TEMPERED/HEAT STRENGTHENED**

Film can be applied only if the glass is tempered, and not annealed (for IGU requirement for both panels).

✗ **INCOMPATIBLE**

● **SOLAR WINDOW FILMS**

● **SAFETY WINDOW FILMS**

\*Advice on film compatibility & thermal breakage risks. Just ask your Avery Dennison representative about a Triple-pane Compatibility Check & Thermal Breakage Analysis.

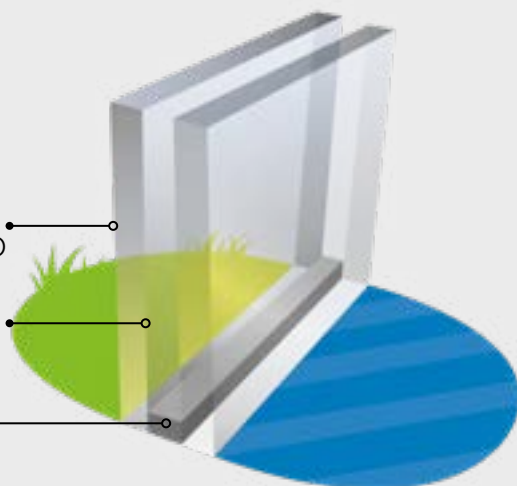
# Exterior<sup>2</sup>

Exterior side of  
glazing system

Glass surface #1  
(facing outdoors)

Glass surface #2

Spacer



	Single Pane		IG Unit			Clear IG Unit Low E		IG Unit Low E
	Clear	Tinted	Clear	Tinted	Triple Pane Clear	On #3	High Performance On #2	Solar coated glass #2 + High Performance Low E #3
<b>Reflective</b>								
R Silver 20X	✓	✓	✓	✓	✓	✓	✓	✓
DS Bronze 20X	✓	✓	✓	✓	✓	✓	✓	✓
R Silver 35X	✓	✓	✓	✓	✓	✓	✓	✓
R Silver 50X	✓	✓	✓	✓	✓	✓	✓	✓
R Silver 20 XTRM PRO	✓	✓	✓	✓	✓	✓	✓	✓
SkyLite Silver 20 XTRM PRO	✓	✓	✓	✓	✓	✓	✓	✓
<b>Neutral</b>								
SkyLite 20 XTRM PRO	✓	✓	✓	○	○	○	○	○
<b>Dual Reflective</b>								
DR Grey 10X	✓	✓	✓	✓	✓	✓	✓	✓
DR Grey 20X	✓	✓	✓	✓	✓	✓	✓	✓
DR Grey 35X	✓	✓	✓	✓	✓	✓	✓	○
DR Grey 50X	✓	✓	✓	✓	✓	✓	✓	○
DR Grey 10 XTRM PRO	✓	✓	✓	✓	✓	✓	✓	✓
DR Grey 35 XTRM PRO	✓	✓	✓	✓	✓	✓	✓	○
<b>Spectrally Selective</b>								
SP e-Lite 45X	✓	✓	✓	✓	✓	✓	✓	○
SP e-Lite 70X	✓	✓	✓	✓	✓	✓	✓	○
SS Natural 70 XTRM	✓	✓	✓	✓	✓	✓	✓	○
OptiLite 75X	●	●	✓	○	○	✓	○	○
<b>Clear Films</b>								
SF Clear 4 mil X	✓	✓	✓	✓	✓	✓	✓	✓
SF Clear 7 mil X	✓	✓	✓	✓	✓	✓	✓	✓

- Important: This chart refers to annealed glass.
- The Film to Glass application Chart refers to altitude up to 500m. Above this altitude please consult the Avery Dennison technical support team.  
Altitude > 2310m - installation requires prior written approval from Avery Dennison.

This Film To Glass (FTG) Application Chart is for guidance purposes only. For more information regarding the application of one of the products included in this FTG on a particular glass surface, please contact our technical team.

**Following adhesion to Application  
Windows is not covered:**

1 - Must be sealed if within 16km of the sea. Use neutral sealing agent Dow Corning™ 791 or 795, Max 5000™ by GE® or equivalent neutral silicone seal agent. No edge sealing required on such location in case of fixed/stationary/immovable windows that are not exposed to environment.

2 - All exterior films require sealing! Use a neutral silicone edge sealant for external use such as Dow Corning 995 or 885, GE Max 5000, or an equivalent neutral silicone sealing agent for extremely long-term (12-15 years) external application on all four sides of the film. Make sure that the silicone sealant is applied according to the sealant manufacturer instructions.

- Two or more films are applied to the same glass surface.
- Automotive film is applied to flat glass constructions.
- Vinyl is applied on top of Architectural Window Film.
- If filmed windows are coated or tinted triple pane or more pane construction, textured, wire film glass, or an IG unit inclusive of a suspended film - need prior approval from Avery Dennison.
- Film is applied to any glass on which there is paint, lettering, signs, stickers or other permanent or temporary ornamentation.
- Filmed glass has prior damage, is chipped, cracked, has holes in it, or light is visible between the frame and the glass.
- Film is applied to non glass substrates (if not specifically permissible) - excluding PolyFilms.
- One glass side is more than 3.8m and/or the surface of double pane glass has more than 10m<sup>2</sup>. - need prior approval from Avery Dennison.
- Altitude is above sea level > 2310m: needs prior written approval from Avery Dennison.
- Film is only partially applied to glass.
- Window is shaded by exterior overhangs, extensions, columns, pillars etc. - need prior approval for application of specific products as SP e-Lite 45 X, OptLite 75 X.
- Windows are architecturally odd shaped larger than 6m<sup>2</sup>.
- Film is applied to any type of laminated glass: needs prior written approval from Avery Dennison.

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