

WASCO Dual Pane GENEO

Notes on Glass Performance

Center glass performance data is only useful for comparing glass packages used in the same frame. NFRC whole window U-Factors are preferable for comparing different windows. Data calculated per ISO 15099 is not comparable to that calculated per EN673. EN673 uses different boundary conditions and a different model. EN673 will consistently calculate lower U-Factors for the same glass package. EN673 performance information is available on the downloads page.

Coating	Notes	Standard Makeup	Center Glass Performance, ISO 15099
Cardinal LoE ² 272	Medium solar gain (SHGC) LoE coating provides good all-around performance for the North-Central climate zone.	15/16" (24mm) overall with 5/32" (4mm) thick glass, LoE ² 272 coating on surface #2 (inside of the exterior pane), 5/8" Cardinal XL Edge spacer glass, 90% argon fill Units over 20 ft ² will have thicker glass while maintaining 15/16" overall thickness.	U=0.257 Btu/hr-ft ² °F (1.461 W/m ² K) SHGC=0.407 VT=0.714
Cardinal LoE ³ 366	Low solar gain (SHGC) triple LoE coating blocks unwanted solar heat. This glass is the best choice for South-Central and Southern climate zones.	15/16" (24mm) overall with 5/32" (4mm) thick glass, LoE ³ 366 coating on surface #2 (inside of the exterior pane), 5/8" Cardinal XL Edge spacer, 90% argon fill Units over 15 ft ² will have thicker glass while maintaining 15/16" overall thickness.	U=0.250 Btu/hr-ft ² °F (1.42 W/m ² K) SHGC=0.271 VT=0.643

WASCO Triple Pane Options GENE0

Coating	Notes	Standard Makeup	Center Glass Performance, ISO 15099
Cardinal LoE 180/LoE 180	<p>High solar gain (SHGC) LoE coating optimized for northern climate performance. This glass will generally give the best energy performance for our climate and will allow the most light in.</p> <p>Use 366/180 glass for east and west walls with unshaded windows</p>	<p>1 5/8" (41mm) overall with 1/8" (3mm) thick glass, LoE 180 coating on surface #2 (inside of the exterior pane) and surface #5 (outside of the interior pane), clear glass center light, SuperSpacer Premium spacer, 90% argon fill</p> <p>Units over 15 ft² will have thicker glass.</p> <p>Tempered and units over 15 ft² supplied standard with Cardinal XL Edge spacer or SuperSpacer Premium.</p>	<p>U=0.133 Btu/hr-ft²°F (0.757 W/m²K)</p> <p>SHGC=0.557</p> <p>VT=0.695</p>
Cardinal LoE ³ 366/LoE 180	<p>Low solar gain (SHGC) triple LoE coating blocks unwanted solar heat. This glass is used for unshaded east and west windows which cause excessive summer heat buildup.</p>	<p>1 5/8" (41mm) overall with 1/8" (3mm) thick glass, LoE³ 366 coating on surface #2 (inside of the exterior pane), LoE 180 on surface #5 (outside of interior pane), SuperSpacer Premium spacer, 90% argon fill</p> <p>Units over 15 ft² will have thicker glass.</p> <p>Tempered and units over 15 ft² supplied standard with Cardinal XL Edge spacer or SuperSpacer Premium.</p>	<p>U=0.126 Btu/hr-ft²°F (0.722 W/m²K)</p> <p>SHGC=0.246</p> <p>VT=0.566</p>