

WASCO Dual Pane Option 1400/4500

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.

Coating	Notes	Standard Makeup	Center Glass Performance, ISO 15099
Cardinal LoE 180	High solar gain (SHGC) LoE coating optimized for northern climate performance. The coating is applied to the interior side of the exterior pane to help keep summer inside glass temperatures down, while still allowing free solar heat in the winter. This glass will generally give the best energy performance for our climate and will allow the most light in.	7/8" (22mm) overall with 1/8" (3mm) thick glass, LoE 180 coating on surface #2 (inside of the exterior pane), 5/8" SuperSpacer premium spacer, 90% argon fill Units over 15 ft ² will have thicker glass while maintaining 7/8" overall thickness. Tempered and units over 15 ft ² supplied standard with Cardinal XL Edge spacer.	U=0.259 Btu/hr-ft ² °F (1.52 W/m ² K) SHGC=0.645 VT=0.793
Cardinal LoE ³ 366	Low solar gain (SHGC) triple LoE coating blocks unwanted solar heat. This glass is useful where a home has a large number of unshaded east and west windows which cause excessive summer heat buildup. This glass will provide the greatest comfort at the sacrifice of energy performance and visible light.	7/8" (22mm) overall with 1/8" (3mm) thick glass, LoE ³ 366 coating on surface #2 (inside of the exterior pane), 5/8" SuperSpacer premium spacer, 90% argon fill Units over 15 ft ² will have thicker glass while maintaining 7/8" overall thickness. Tempered and units over 15 ft ² supplied standard with Cardinal XL Edge spacer.	U=0.250 Btu/hr-ft ² °F (1.42 W/m ² K) SHGC=0.271 VT=0.648

WASCO Triple Pane Options 1400/4500

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 3/8" (35mm) 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 while maintaining 1 3/8" overall thickness.</p> <p>Tempered and units over 15 ft² supplied standard with Cardinal XL Edge spacer.</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 3/8" (35mm) 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 while maintaining 1 3/8" overall thickness.</p> <p>Tempered and units over 15 ft² supplied standard with Cardinal XL Edge spacer.</p>	<p>U=0.127 Btu/hr-ft²°F (0.722 W/m²K)</p> <p>SHGC=0.246</p> <p>VT=0.566</p>