

Performance Data Sheet



Green Laminated Glass

Laminated glass is two or more lites (pieces) of glass permanently bonded together with one or more plastic interlayers (PVB: polyvinyl butyral film) using heat and pressure. Laminated glass can be broken, but the fragments will tend to adhere to the plastic layer and remain largely intact, reducing the risk of injury.

Meet Standard: ASTM C1172-14
EN 14449
ISO 12543
ANSI Z97.1

Glass Thickness		Makeup / Composition	VLT %	SHGC	Winter U-Factor
mm	inches				
6.76mm	1/4"	1/8" Green Glass + 0.030" Clear PVB + 1/8" Clear Glass	82	0.65	1.00
6.76mm	1/4"	1/8" Green Glass + 0.030" Clear PVB + 1/8" Green Glass	75	0.57	1.00
8.28mm	5/16"	1/8" Green Glass + 0.090" Clear PVB + 1/8" Green Glass	75	0.56	0.96
8.28mm	5/16"	1/8" Green Glass + 0.090" Clear PVB + 1/8" Clear Glass	81	0.64	0.96
10.76mm	3/8"	3/16" Green Glass + 0.030" Clear PVB + 3/16" Clear Glass	78	0.59	0.65
12.76mm	1/2"	1/4" Green Glass + 0.030" Clear PVB + 1/4" Green Glass	75	0.57	0.65
14.28mm	9/16"	1/4" Green Glass + 0.090" Clear PVB + 1/4" Clear Glass	77	0.59	0.65

Visible Light Transmittance (VLT): The percentage of the visible spectrum (light) that is transmitted through the glass.

SHGC: The fraction of incident solar radiation admitted through the glass, both directly transmitted and absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a glass solar heat gain coefficient; the less solar heat it transmits.

Winter U- Value: Measure of the insulating characteristics of the glass in which how much heat gain or loss occurs through the glass due to the difference of indoor and outdoor temperatures using NFRC winter nighttime environmental conditions of a cold outside temperatures and no sunlight.

Hurricane Impact Resistant Glazings: To meet the requirements of the ASTM E 1996 Small Missile Test, laminated glasses typically include a PVB interlayer with a thickness of 0.06" (1.52 mm) and for the Large Missile Test an interlayer of 0.090" (2.28mm) is required.