



Hard Coat Low-E Glass



Low-emissivity glass coatings are designed to increase the reflection of the heat absorbed by the glazing to the interior of the building. In contrast to clear glass, low-emissivity coated glass ensures that heat is retained in a building, enhancing thermal comfort.

Hard coat Low-E Glass is made using a pyrolytic process applied at high temperatures and fired into the glass surface during the float glass manufacturing process. This glass can be heat-treated, laminated, bent, silk screened, and enameled to meet specialized applications. Can be used monolithically, or as part of an insulating glass unit. There is no need for edge deletion when incorporating it in an insulating unit. It's recommended to be installed in surface #4.

Country of Origin: China
 Stock Sheet Size: Various Sizes



Glass Thickness		Visible Light		UV Transmittance	Solar Heat Gain Coefficient (SHGC)	Solar Heat Gain Coefficient (SHGC)	Shading Coefficient (SC)
mm	inches	Transmittance (VLT)	Exterior Reflectance				
3.2mm	1/8"	83%	9%	389%	0.75	0.75	0.86
5mm	3/16"	82%	6.3%	30%	0.67	1.03	5.86
6mm	1/4"	53%	6.0%	25%	0.63	1.02	5.82

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

Exterior Reflectance: The percentage of the visible spectrum (light) that is reflected towards the exterior by 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.

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