

6 mm + 12A + 6 mm **Toughened** **Insulated Glass Unit**



6 mm + 12A + 6 mm **Toughened** **Insulated Glass Unit** (6 mm + 12A + 6 mm **Toughened** **Insulated Glass Unit**)

6 mm + 12A + 6 mm **Toughened** **Insulated Glass Unit** is a high-performance glass unit. It consists of two 6 mm toughened glass panes separated by a 12 mm air gap. The unit is filled with argon gas and contains a desiccant to prevent condensation. The toughened glass panes provide enhanced safety and security. The unit is suitable for use in high-rise buildings, commercial buildings, and industrial applications. The unit is available in various sizes and configurations. The unit is a high-quality product that meets the highest standards of performance and safety.

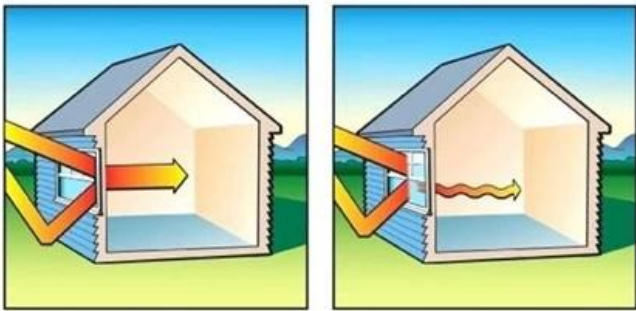


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A Solution for Solving the Solar Heat Gain Coefficient Dilemma

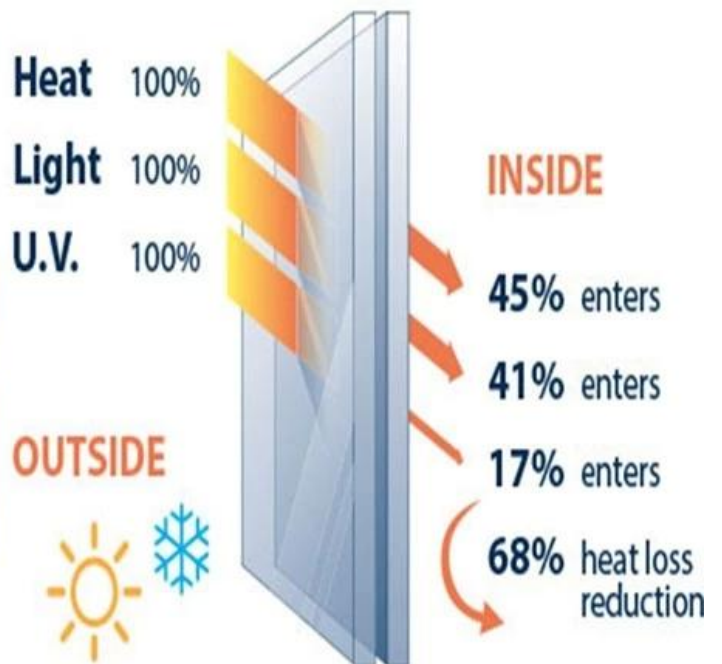
The solar heat gain coefficient (SHGC) is a number that represents the fraction of solar radiation admitted through a window, both transmitted and absorbed, and subsequently released inward. The lower a window's solar heat gain coefficient, the less solar heat it transmits, which therefore leads to greater shading ability. Climates that rely heavily on air conditioning will benefit from a window product that displays a lower SHGC. As shown, the Solarban 60 unit will outperform the standard clear unit by as much as 49%.

Summer Solar Heat



Standard clear unit
Conventional aluminum spacer
Air Fill
SHGC - 0.75

Solarban 60 unit
Intercept spacer
Argon Gas Fill
SHGC - 0.38



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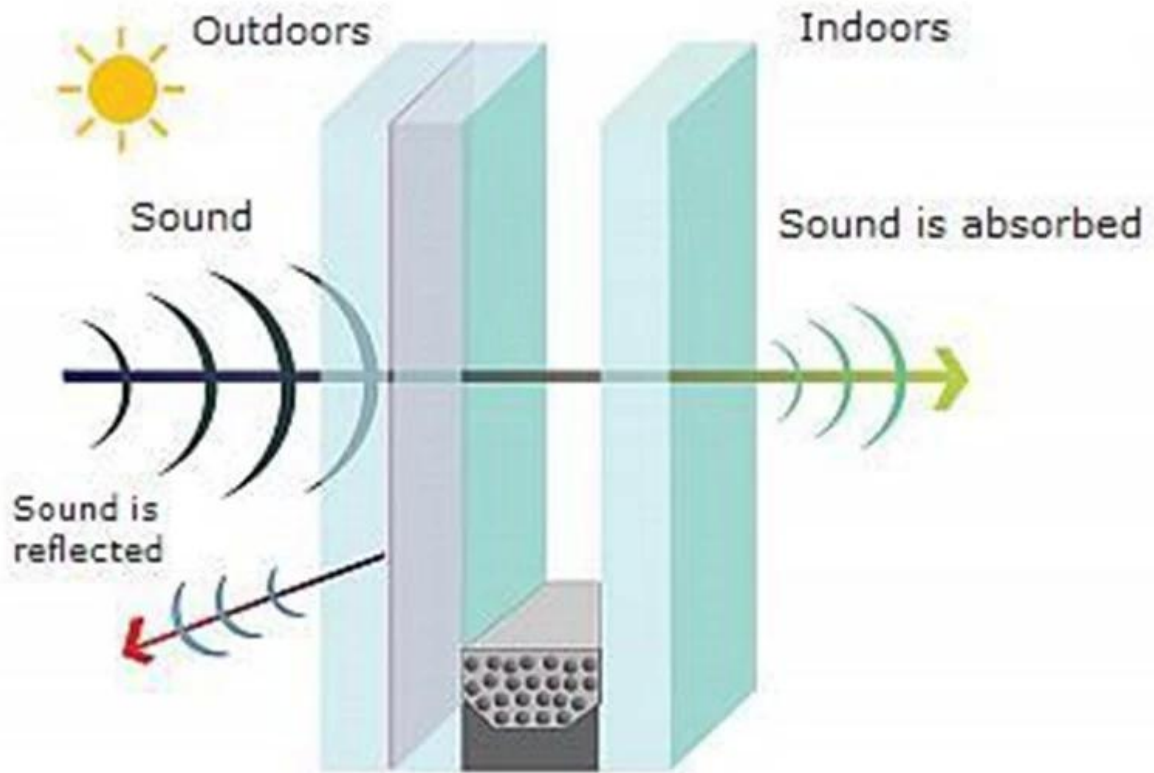
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3. 3D diagram of sound insulation

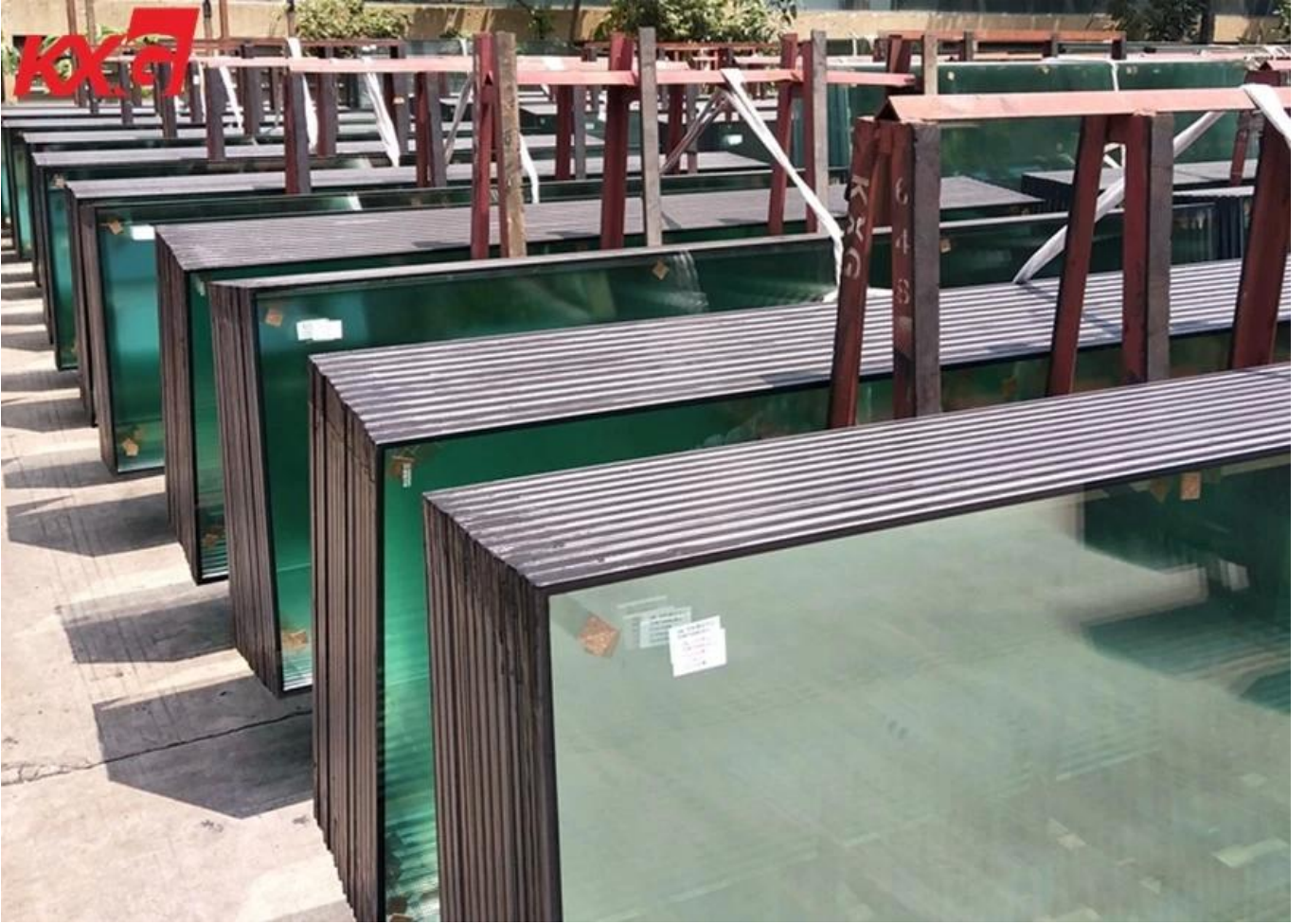
3D diagram of sound insulation showing sound waves being reflected outdoors and absorbed indoors, with a 30 dB reduction in sound level.



6 mm + 12A + 6 mm sound insulation system

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