

Thickness of solar curtain wall glass





Overview

Normally, curtain wall glass thicknesses range from 6mm to 12mm for single glazing and 16mm to 25mm for double glazing. However, custom solutions are available to meet specific project requirements. How thick is curtain wall glass?

The glass used in these systems can vary in thickness, depending on several factors, including the building's location, height, wind loads, and other environmental factors. In general, the thickness of the glass used in curtain wall systems ranges from 6mm to 19mm.

How does thickness affect curtain wall performance?

The thickness of the glass used in a curtain wall system can have a significant impact on its performance. Thicker glass provides better sound insulation, reduces the amount of heat lost through the glass, and is more resistant to breakage. Thicker glass also provides better security by making it harder to break into the building through the glass.

What is the minimum thickness of a curtain wall?

For example, in the United States, the IBC requires a minimum thickness of 6mm for glass used in curtain wall systems for buildings located in areas with wind speeds of up to 130 miles per hour. For buildings located in areas with higher wind speeds, the minimum thickness of the glass is increased.

Does Photovoltaic Glass fit in a curtain wall?

No, the BIPV photovoltaic glass structurally does not differ from other types of conventional glazing. Therefore, it is integrated into the building envelope (curtain wall, façade, or skylight) like any construction material. What solar control and comfort advantages does photovoltaic glass offer in a curtain wall?



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