



IMK CONTAINERS

Solar curtain wall of Western European buildings





Overview

What is a curtain wall?

The architectural solution chosen for the curtain wall is based on a modular concept, achieving both aesthetic and functional integration with the main ventilation system of the building. The interstitial air cavity of a double-skin glazed façade is used for harvesting heat from solar energy and recovering transmission losses from the indoor space.

Why are curtain walls so popular in Europe?

Curtain walls are an increasingly demanded solution for building envelopes in the commercial sector. Despite the recent recession, curtain wall demand in Europe has continued to grow steadily. Office buildings constitute the predominant customer segment for curtain walls, accounting for over 55% of their European market share .

Who uses curtain walls?

Office buildings constitute the predominant customer segment for curtain walls, accounting for over 55% of their European market share . Curtain wall technology is also being increasingly adopted in many public buildings, and even for high-end residential projects.

How can a curtain wall system increase solar power in tall buildings?

Increasing electrical generation and solar potential of tall buildings can therefore be attained by manipulation of the geometry and other design features of the facades, subject to visual and functional constraints, such as window design and positioning. A curtain wall system represents an efficient way to integrate photovoltaic modules.



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The fire resistance class depends on the type of the building and intended use, the building height, curtain walling type, presence of alternatively controlling fires system such as ...



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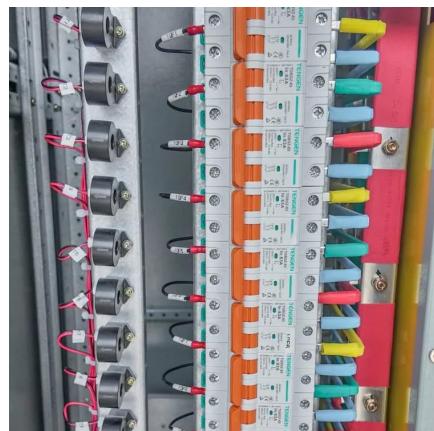


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