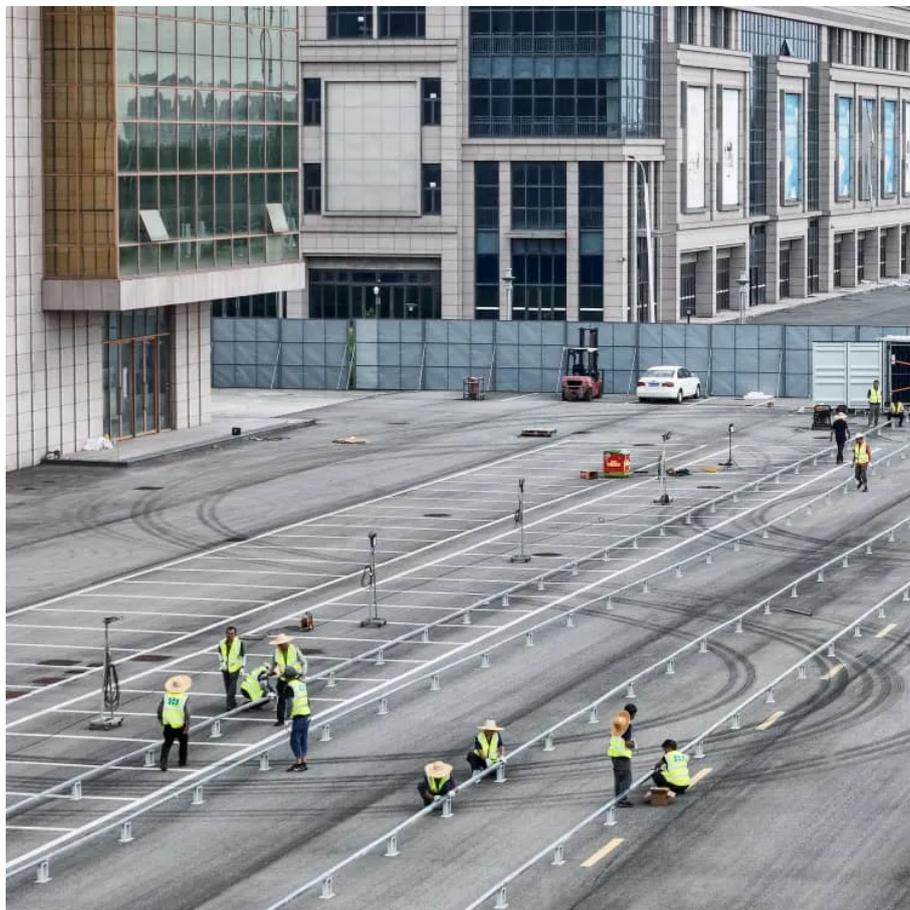


Kongres Container

Solar sun room transmittance



Overview

Solar transmittance belongs to the optical properties that are more frequently required in the field of buildings as those specifically related to solar energy and thermal aspects point of view. A possible metho.

What is solar transmittance?

Solar transmittance belongs to the optical properties that are more frequently required in the field of buildings as those specifically related to solar energy and thermal aspects point of view. A possible method for the measurement of solar transmittance of building's systems and materials was introduced and tested.

How to measure solar transmittance?

A possible method for the measurement of solar transmittance of building's systems and materials was introduced and tested. The method is based on an outdoor climate conditions and two pyranometers setup applying of comparative in-situ measurement approach.

What is solar transmittance measurement software?

Solar transmittance measurement software was used to calculate the performance test items. This software supports the calculation of visible light transmittance, UV transmittance, solar transmittance, and solar reflectance for flat glass according to JIS R3106.

What is total solar transmittance (TST)?

Spectral curves and integrated Total Solar Transmittance (TST) values from 280 to 2 500 nanometers are obtained. Second method is based on proposed outdoor experimentation applying of comparative in-situ measurements approach using the sun as the source. 3.

Do glass materials transmit the full solar spectrum?

Firstly, the transmittance of the full solar spectrum by commonly used glass materials in buildings was investigated, and the transmittance characteristics

of five glass materials to the solar spectrum by different wavelengths were discussed, and then the transmittance model are established.

How is spectral transmittance obtained?

The spectral transmittance is obtained by measuring the transmittance of 3 mm-thick glass with film attached to one face. For these tests, we determined the visible light transmittance, UV transmittance, solar transmittance, solar reflectance, and shading coefficients for four types of film adhered to glass.

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