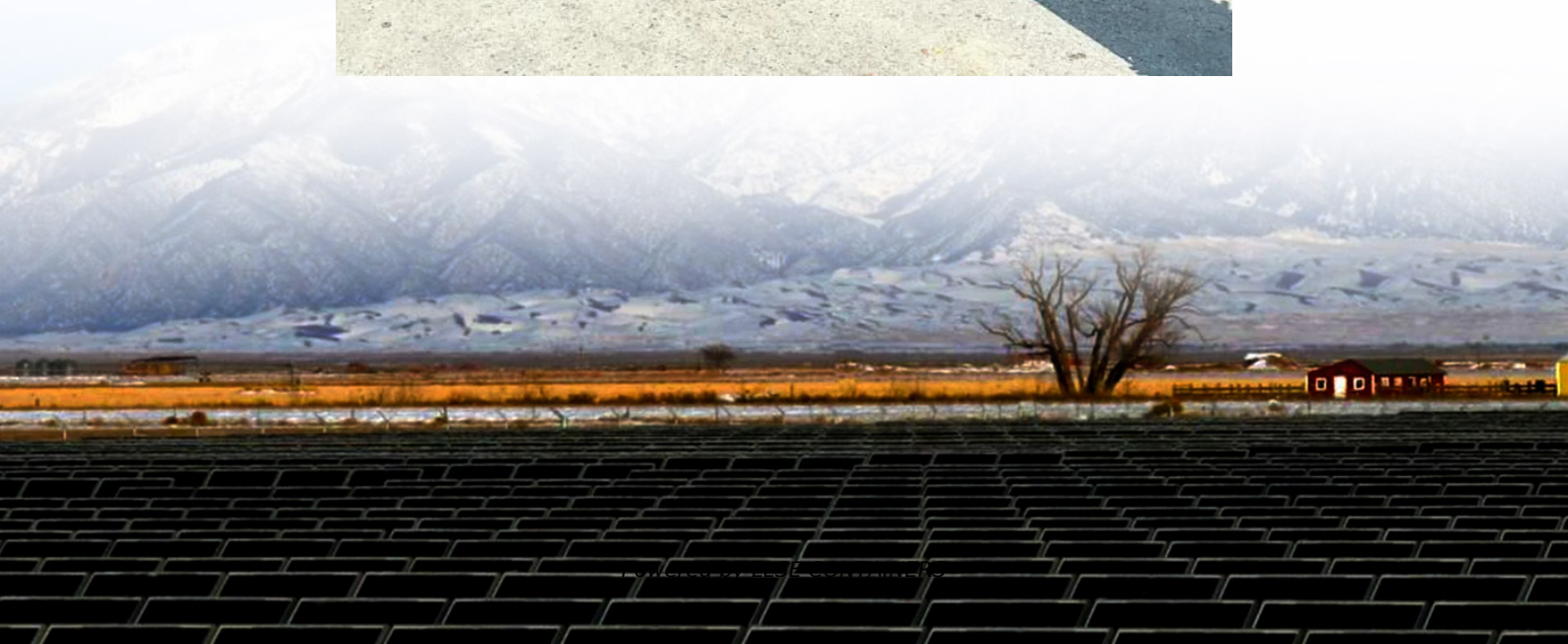


Solar glass local flatness standard





Overview

Would a better glass product if more strict and updated flatness standards were implemented?

As demonstrated in this article, our industry would have a better glass product, if more strict and updated flatness standards were implemented. Standard Specification for Heat Strengthened and Full Tempered Flat Glass. Standard Test Method for Measurement of Glass Stress- Optical coefficient.

What is the difference between low-E glass and ASTM G173-03 solar spectrum?

Low-e glass with local atmospheric conditions comparison with the ASTM G173-03 solar spectrum. Solar transmittance can vary up to 5% in comparison with the ASTM calculated one. Necessity to include the impact of the local atmospheric conditions on the performances of low-e glass.

What happens if a solar glass substrate is defective?

As in all other glass manufacturing processes, solar glass substrates are subject to defects during production. Depending on the defect type and intensity, the impact of these defects can range from a reduced transmission to a considerable negative influence on the mechanical glass characteristics.

What factors affect the flatness of glass on a building?

It should be noted that there are other factors that can affect the flatness of the glass on a building. Roller wave, for instance, should always be parallel to the glazing systems' horizontal members. If run vertically it can be more visible on the building façade.



Solar glass local flatness standard

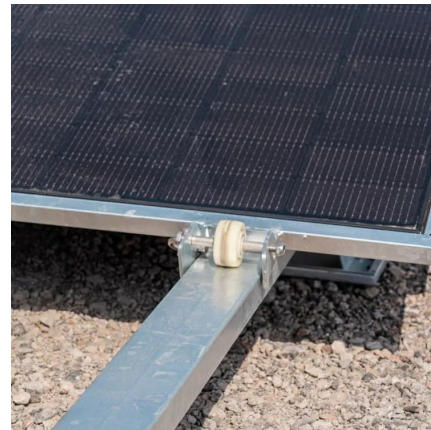


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Solar Glass

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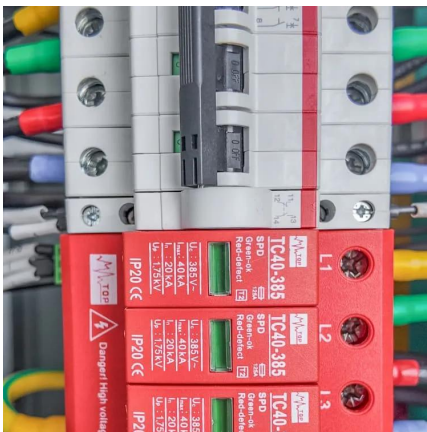
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