

What are the different types of solar and thermal glass?

Our solar and thermal glass is available in different types. From invisible protection by in the form of a solar control coating on the glass (Briljant®) and mass-coloured glass and/or a reflective coating (Isolide Sun®), to fully integrated sun protection between the windows using Screenline®. Be inspired by our showcases.

What is solar and thermal glass?

Solar and thermal glass offer an environmentally friendly,energy-efficient solution without sacrificing daylight. Solar and thermal glass is used in offices,shops and public spaces,as well as in residential buildings. They offer a smart solution,especially for large window surfaces that get a lot of sunlight.

Why do we need solar & thermal glass?

The climate is changing. Summers are becoming more intense and the chance of heat waves is increasing. By making adjustments in our living environment,we can maintain a cool indoor temperature. Solar and thermal glass offer an environmentally friendly,energy-efficient solution without sacrificing daylight.

Why is glass important for solar energy?

Glass plays a crucial role in the performance and longevity of solar energy technologies by providing structural stability,environmental protection,and optimized optical properties. It is employed in various capacities,including protective cover/layer,substrates,optical coatings,and spectral converters.

The innovative glazing ensures maximum thermal insulation, allows plenty of daylight into the building and enables passive use of solar energy. This increases the well-being inside and reduces heating ...

Our passion is glass and we live this every day, for over 40 years. So we have invested a lot of time and money in research and development of modern special glasses for photovoltaic and ...

Solar glazing is a cutting-edge glass technology designed to harness solar energy while providing superior insulation. Its main functions include generating renewable energy through photovoltaic ...

This chapter examines the fundamental role of glass materials in photovoltaic (PV) technologies, emphasizing their structural, optical, and spectral conversion properties that enhance ...

COOL-LITE® are Saint-Gobain Glass Solar control glass; Assembled in insulating glazing units (IGU), they help reducing overheating within buildings while letting the daylight in. Offering ...

Solar glass is a specialized low-iron, tempered soda-lime silicate glass, often enhanced with an anti-reflective coating. This combination delivers ultra-high light transmittance, superior mechanical ...

Project References Solar Glass for Solar Panels The NSG Group offers a range of specialised glass and coated glass products used in all of the leading solar energy technologies, including thin film ...



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Thermal insulation In terms of thermal insulation performance, most of our solar control glass products - those with at least one silver coating, help form a shield against external heat and keeping the rooms ...

Chinese scientists develop self-healing solar glass that can generate electricity while remaining transparent.

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