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### Arguments for UNIGLAS® | SUN Solar Control Glass

- With the high-quality solar control glass from UNIGLAS®, you can protect rooms from reaching a high temperature due to the sun's rays.
- Due to the different colours of the glass, you can decide how light your interior rooms should be.
- Every pane of solar control glass from UNIGLAS® can be supplemented with further functions, such as heat insulation, sound, insulation and safety.
- It is easy to change the glass in existing window constructions.



Our proximity: your advantage

UNIGLAS® | SUN  
Solar Control Glass



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# UNI GLAS® | SUN

Solar Control Glass

With UNI GLAS® | SUN solar control glass, a wide range of solar control glass is available to building owners and planners. Depending on the requirements, the client can freely choose from maximum light transmittance value and minimum g value, and also colour. UNI GLAS® | SUN solar control glass can be effectively used for design purposes. In architecture, the reflective colour of this glass is used for design effects.

Therefore many products with different reflective colours are offered in addition to the neutral products. As the name implies, the reflection has a „colour“, not a transparent view. This remains largely neutral, even with glass that has a strong reflection in terms of colour. The only exception is completely pigmented basic glass which is also used for solar protection purposes. With some types they are used as basic glass for the reflecting solar protection coating. If this kind of glass is used, a prior provision of samples makes sense and is useful.

UNI GLAS® | SUN solar control glass has a balanced ratio of selectivity which means it achieves a g value that is as low as possible and a light transmittance that is as high as required. In general, there are two layer systems that are designed for solar protection - „hard coatings“ and „soft coatings“. Some hard coatings can also be placed outside on the weathered side as they can permanently withstand environmental conditions. Additionally, the hard coated insulated glass units must have a heat insulation coating on the inner pane in order to comply with the requirements of the EnEV. The „soft coating layers“ are applied to the inner face of the outer pane so that a permanent protection of the coating is guaranteed. These layers also reflect heat rays. The heat insulation is normally already integrated in the solar protection layer and it is not necessary to apply an additional heat protection layer to the inner pane.

UNI GLAS® | SUN solar control glass minimises heat losses at the same time and can be combined with other functions if required, such as sound insulation or safety glazing.

1. Heat radiation
2. Light transmission
3. Float glass pane
4. Precious metal coating
5. Reflection
6. Air cavity between the panes filled with noble gas
7. Spacer with drying agent
8. Two-tier, dense edge bond

