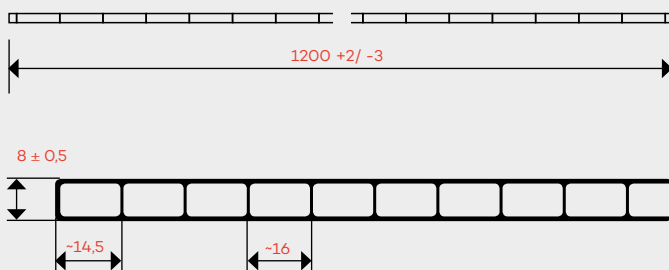


PLEXIGLAS®
Double-skin Sheet

PLEXIGLAS® Heatstop Opal SDP 8/1200-16 White WR004



Section of PLEXIGLAS® Heatstop Opal SDP 8 (Dimensions in mm)

Product

PLEXIGLAS® Heatstop Opal SDP 8 is an infrared (IR)-reflecting, heat-insulating and extremely weather-resistant double-skin sheet made of impact-modified acrylic (polymethyl methacrylate, PMMA). The Heatstop coating is uniformly and permanently fused with the sheet material and is equally effective on the upper and lower side of the sheet.

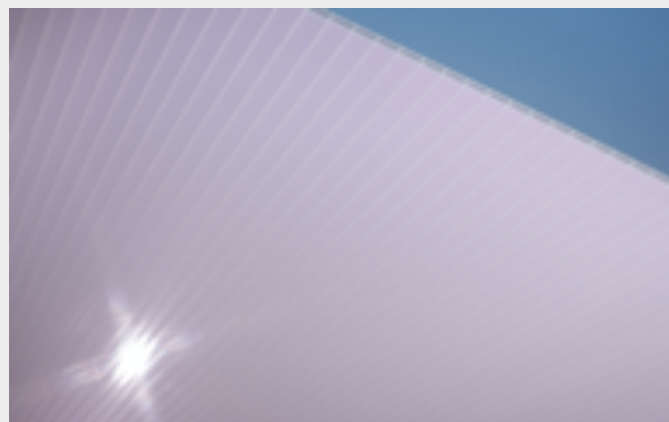
Properties

Besides the general properties of PLEXIGLAS® like

- Excellent light transmission and brilliance
- Outstanding weather resistance
- 100% recycling ability
- Easy to fabricate
- High surface hardness

PLEXIGLAS® Heatstop Opal SDP 8 possesses the following properties:

- It reduces heat buildup in rooms due to sunlight by almost 50 %.
- The color impression beneath the glazing is very pleasant and cool.
- The sheets offer excellent protection against an excess of harmful UV radiation.
- They are impact-resistant during transport, handling and installation.
- They are heat-insulating.
- They help to save energy and minimize CO₂ emissions.
- They are hail-resistant (to hailstones with an impact energy up to 1 joule).
- This comes with a 10-year guarantee.



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Applications

Due to these properties PLEXIGLAS® Heatstop Opal SDP 8 is suitable for the following applications:

- Carports
- Conservatories
- Façades
- Greenhouses
- Patio roofs
- Porches
- Skylights
- Verandas

Processing

For PLEXIGLAS® Heatstop Opal SDP 8 the following processing guideline is available:

- Instructions for Installing PLEXIGLAS® Multi-Skin, Corrugated and Solid Sheets (Ref-No. 311-8)

Product range

PLEXIGLAS® Heatstop Opal SDP 8 is available in the following grades and sizes:

- Length: 2,000 to 7,000 mm
- Width: 1,200mm
- Colors: White (reddish-purple)

For details please refer to the PLEXIGLAS® sales handbook.

Heatstop Opal Effect

The PLEXIGLAS® Heatstop Opal multi-skin sheet very effectively reduces solar heat radiation by means of special technology. The Heatstop Opal coating gives the sheets an attractive, reddish-purple surface gloss. Seen from below, the sheets look pleasantly cool, as befits their function. This color has an iridescent effect. The color impression varies depending on the viewing angle and lighting conditions.

NO DROP coating

The water-dispersing NO DROP¹ coating applied to one side of the sheet causes any surface water to flow off as a thin, continuous film. When the sheet is installed with the NO DROP coating on the outside of the roof, it supports natural cleaning by rainwater. Installed on the inside of the roof, the coating helps to prevent dripping from condensation and the damage this may cause. The NO DROP coating is covered with a protective layer applied during the manufacturing process. This protective layer can be washed off with water and a sponge, or by hosing down the sheet. This activates the NO DROP coating.

Load-bearing capacity Support spacing

Supported on all four sides, the PLEXIGLAS® Heatstop Opal SDP 8/1200 double skin sheet requires cross-members as stated in the table. The load-bearing capacity is determined in line with ETAG 010 (Guideline for European Technical Approval for Self-supporting, Translucent Roof Kits), assuming a rebate depth of 20 mm for the multi-skin sheets in the glazing system. The support spacing should be reduced correspondingly for smaller rebate depths.

Support spacing

Load [N/m ²]	Support spacing [m]
100	5,20
200	3,50
300	3,10
400	2,70
500	2,50
600	2,40
700	2,20
800	2,20

³ Europ. Patent 149 182