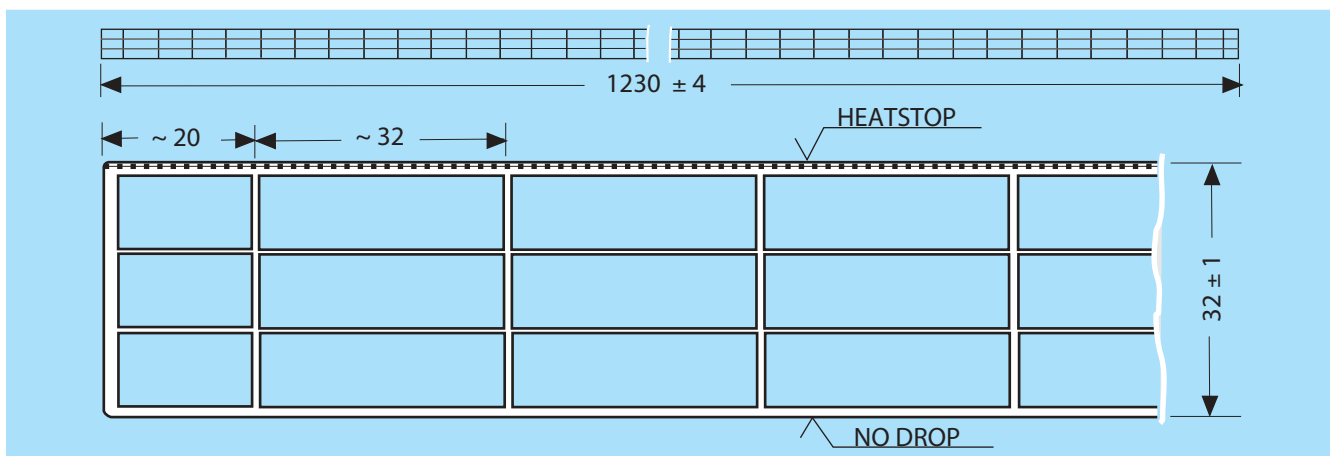


Technical Information

### Product Description

The "Cool" Sheet

## PLEXIGLAS HEATSTOP® S4P 32/1230-32



Section of PLEXIGLAS HEATSTOP® S4P 32 (Dimensions in mm)

#### Product and benefits

PLEXIGLAS HEATSTOP®\* S4P 32/1230-32 NO DROP\*\* is an **infrared-reflecting, highly heat-insulating** and weather-resistant quadruple-skin sheet made of **impact-modified** acrylic (polymethyl methacrylate, PMMA).

This quadruple-skin sheet is installed with the coextruded **HEATSTOP coating**, fused with the sheet material, facing upwards/outwards.

The PLEXIGLAS **HEATSTOP®** S4P 32 sheet offers the user major advantages:

- **greater impact strength** than conventional multi-skin PMMA sheets during transport, handling and installation,
- the sheet **reduces** the heat build-up in rooms due to sunlight by **almost 60%** and provides particularly **uniform day lighting**.

The HEATSTOP coating gives the sheets a particularly attractive, reddish-purple surface sheen. Viewed from below, the sheets give the impression of being pleasantly cool, as befits their function.

This color has an iridescent effect. The color impression may vary, depending on viewing angle and lighting conditions.

With its excellent **U-value of 1.6 W/m<sup>2</sup>K**, the sheet meets the requirements of the German statutory order on heat insulation. It is therefore suitable for **highly heat-insulating** glazing in private buildings as well as in factories and sports halls.

The light and energy transmission, rigidity and strength of PLEXIGLAS HEATSTOP® S4P 32/1230-32 are confirmed by a separate 10-year guarantee statement (Ref. Nr. 111-20).

Owing to its **excellent** rigidity and its width of 1,230 mm, large spans can be obtained with this sheet. Few supports are required, which reduces shadows indoors.

**No additional cross members** are required for snow loads up to 750 N/m<sup>2</sup> when this sheet is supported all around or even if it is only clamped in suitable glazing bars along the longitudinal edges.

\*) Europ. patent 548 822

\*\*\*) Europ. patent 149 182

## Technical data (typical values)

Available lengths	2000 to 7000 mm	
<b>Light transmittance</b> $\tau_{D65}$	White WA013	<b>c. 40 %</b>
<b>Total energy transmission</b> $g$	NO DROP: (UV-absorbing)	<b>c. 30 %</b>
<b>Selectivity factor</b>		<b>1.33</b>
<b>U-value</b>	<b>1.6 W/m<sup>2</sup>K</b> (Test report 13-901399/P4/Fi, FMFA Stuttgart)	
Coefficient of heat expansion $\alpha$	0.09 mm/m °C	
Possible expansion due to heat and moisture	c. <b>6</b> mm/m	
Max. permanent service temperature without load	70 °C	
Weighted sound reduction index	c. 24 dB	
Fire rating	Normally flammable B 2 Class 4 M 4	(to DIN 4102) (to BS 476, p. 7) (to NF 16 - 101)

### NO DROP coating

The sheet is installed with the side bearing the water-dispersing **NO DROP coating** facing downwards / inwards. This offers the advantage that any condensation flows off as a continuous film, preventing uncontrolled drip ping and letting more light into the glazed area.

The NO DROP coating is covered by a protective layer applied during manufacture. If not automatically washed off by condensation, the protective layer can also be removed manually with water and a sponge or by using a hose. This activates the NO DROP coating.

### Support spacing

Supported or clamped all around, the multi-skin sheet requires for the load range of 750 to 1000 N/m<sup>2</sup> **no additional cross members**. For greater loads spacing is valid as given in the table.

PLEXIGLAS HEATSTOP® S4P 32 Width as delivered 1230 mm	
Load [N/m <sup>2</sup> ]	Support spacing [m]
750	∞
1000	∞
1250	4.3
1500	3.8
1750	3.4
2000	3.1
2250	2.3
2500	2.0
2750	1.9
3000	1.8

This document describes the special features of the PLEXIGLAS HEATSTOP® S4P 32/1230-32 NO DROP quadruple-skin sheet. Data on other multi-skin sheets are given in further product description leaflets.

For further information on multi-skin sheets, see our "Guidelines for Installation" (Ref. No. 314-1), "Example of conservatory roof and patio glazing..." (Ref. No. 314-4), "PROStyle guidelines" and similar documents available from the sheet stockist.

The availability of any particular product should be checked with your supplier.

### Important Notice

This is international English-language information prepared for several markets. It is essential that the selection of particular materials and their methods of use conform with the requirements of national and local building regulations.



Certified to DIN EN ISO 9001 (Quality)  
and DIN EN ISO 14001 (Environment)

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