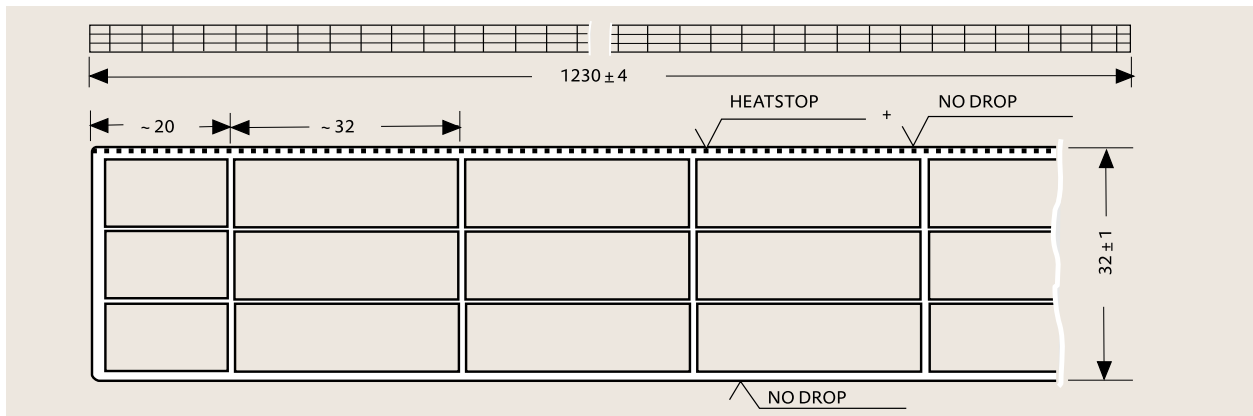


PLEXIGLAS HEATSTOP® Transparent S4P 32/1230-32 NO DROP

Product Description

Technical Information



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

Product and Benefits

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

The **HEATSTOP coating** on this quadruple-skin sheet is inseparably fused with the sheet substrate.

Glazing with the PLEXIGLAS HEATSTOP® Transparent S4P 32 sheet offers the user major advantages:

- it is **impact-resistant** and
- it reduces the heat buildup in rooms due to sunlight obviously.

The HEATSTOP coating gives the sheets a particularly attractive, greyish-blue color.

With its excellent **U-value of 1.6 W/m²K**, the sheet meets the requirements of the German heat insulation ordinance. It is therefore suitable for **highly heat-insulating** glazing in private buildings as well as in factories and sports halls.

Owing to its **excellent rigidity** and its width of 1,230 mm, large spans can be obtained with this sheet.

No additional cross-members are required for snow loads up to 750 N/m² 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	
Light transmittance τ_{D65}	Grey 7Z001 NO DROP: (UV-absorbing)	c. 45%
Total energy transmission g		c. 50%
Heat transfer index (U-value)	1.6 W/m ² K (Test Report 13-901399/P4/Fi, FMPA Stuttgart)	
Coefficient of linear thermal expansion α	0.09 mm/m °C	
Possible expansion due to heat and moisture	c. 6 mm/m	
Max. permanent service temperature without load	70 °C	
Weighted sound reduction index	c. 24 dB	

Fire Behaviour

- PLEXIGLAS® is rated in Euroclass E to DIN EN 13501 with regard to fire behavior.
- PLEXIGLAS® burns almost without smoke according to DIN 4102 and is easy to extinguish.
- The smoke gases produced by PLEXIGLAS® are not acutely toxic according to DIN 53436 and are noncorrosive according to DIN VDE 0482-267.
- Roof surfaces glazed with PLEXIGLAS® open up by melting in the event of fire and allow smoke and heat to escape.

Guarantee

10-year guarantee for the light and energy transmission, hail resistance, rigidity and strength (www.plexiglas.net).

NO DROP Coating

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 **no additional cross-members** for the load range of 750 to 1000 N/m². For greater loads, the spacing given in the table applies.

PLEXIGLAS HEATSTOP®

Transparent S4P 32

Width as delivered 1230 mm

Load [N/m ²]	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

® = registered trademark

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Certified to DIN EN ISO 9001 (quality) and DIN EN ISO 14001 (environment)

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