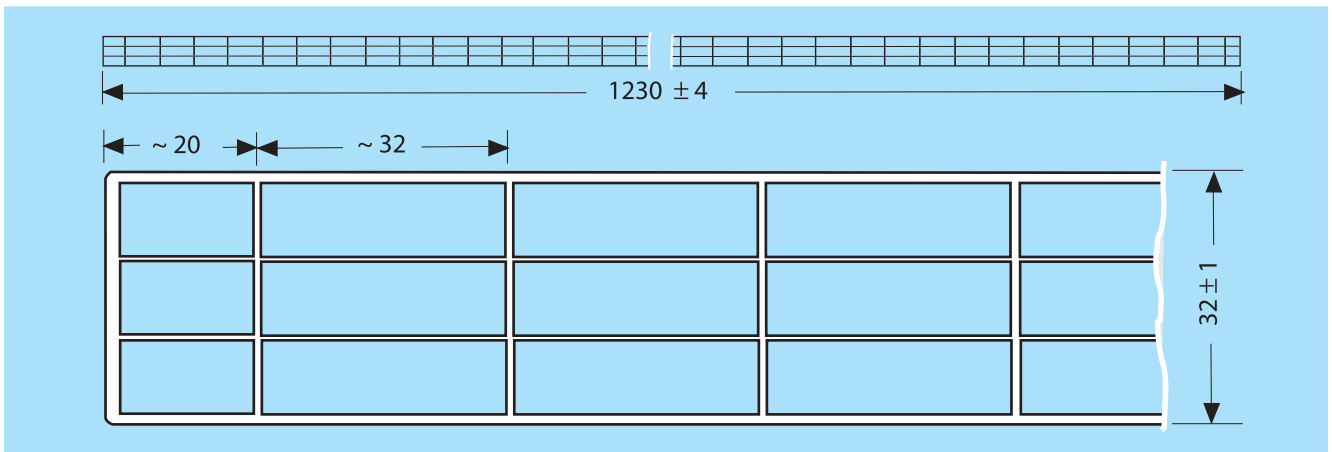


Technical Information

The "Tough" Sheet

Product Description

PLEXIGLAS RESIST® S4P 32/1230-32



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

Product and benefits

PLEXIGLAS RESIST® * S4P 32/1230-32 (NO DROP**) is a light-transmitting, highly weather-resistant quadruple-skin sheet made of **impact-modified** acrylic (polymethyl methacrylate, PMMA).

It is used for **highly heat-insulating** glazing in factory units and sports halls as well as for private buildings whenever multi-skin PMMA sheets are required to show **exceptional impact resistance, hail resistance and toughness**, combined with ease of construction.

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

- **greater impact strength** than conventional multi-skin PMMA sheets during transport, handling and installation,
- **greater hail resistance** than conventional multi-skin PMMA sheets, with a guaranteed long-term energy value of 1 joule.

With its excellent **U-value of 1.6 W/m²K**, the sheet meets the requirements of the German statutory order on heat insulation.

The light transmission, rigidity and strength of PLEXIGLAS RESIST® S4P 32/1230-32 are confirmed by a separate 10-year guarantee statement (Ref. No.111-19).

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/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 733 754

***) Europ. patent 149 182

Technical data (typical values)

Available lengths		2000 to 7000 mm		
Light transmittance τ_{D65} (UV-impermeable)	Total energy transmission g	Clear 00721 NO DROP:	~ 76 %	~ 71 %
		Clear 00721 C:	~ 74 %	~ 69 %
		White WA012:	~ 64 %	~ 60 %
U-value		1.6 W/m²K (Test report 13-901399/P3/Fi, FMFA Stuttgart)		
Coefficient of heat 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 rating		Normally flammable B 2	(to DIN 4102)	
		Class 4	(to BS 476, part 7)	
		M 4	(to NF 16 - 101)	

NO DROP coating

When installed with the water-dispersing **NO DROP coating** on one side facing upwards / outwards, this offers the advantages that the NO DROP coating ensures a better cleaning effect and more rapid drying in wet weather.

When installed facing downwards / inwards, any condensation flows off as a continuous film, preventing uncontrolled dripping and letting more light into the glazed area.

The NO DROP coating is covered by a protective layer applied during manufacture. This is washed off by rainwater or condensation, thus activating the NO DROP coating. The protective layer can also be removed with water and a sponge or by using a hose.

Support spacing

Supported or clamped all around, the multi-skin sheet requires for the load range of 750 to 1000 N/m² **no additional cross members**. For greater loads spacing is valid as given in the table.

Load [N/m ²]	PLEXIGLAS RESIST® S4P 32 Width as delivered 1230 mm	
	Support spacing [m]	
750	∞	
1000	∞	
1250	3.9	
1500	3.7	
1750	3.5	
2000	3.1	
2250	2.4	
2500	2.1	
2750	1.9	
3000	1.8	

Texture "C"

The **"C" textured side** of certain grades of multi-skin sheets is always installed **facing downwards / inwards**.

This document describes the special features of the PLEXIGLAS RESIST® 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.



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and DIN EN ISO 14001 (Environment)

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Advice and delivery by:



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