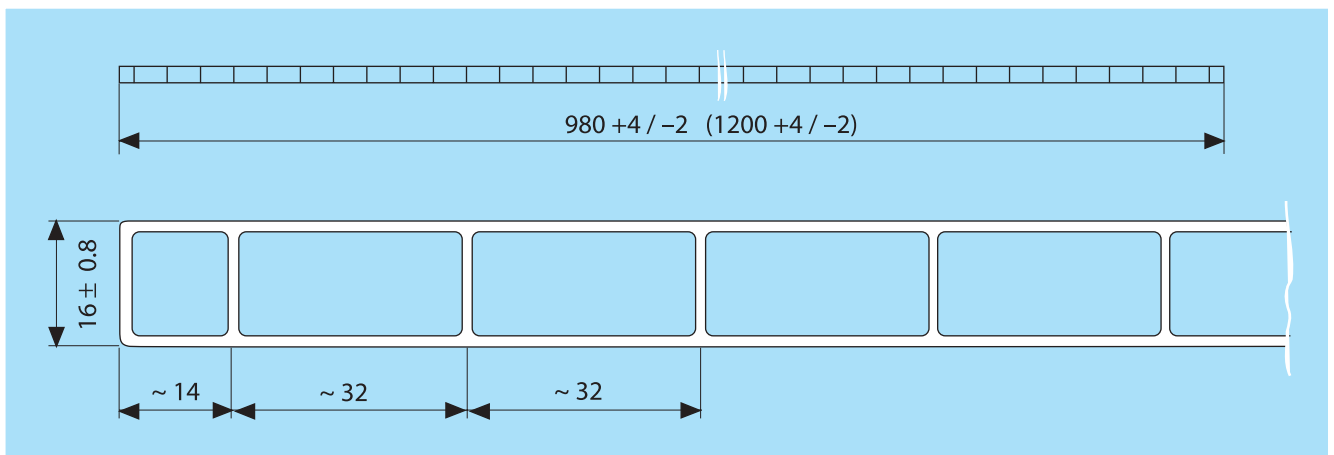


Product Description

PLEXIGLAS RESIST® SDP 16/980 (/1200) - 32



Section of PLEXIGLAS RESIST® SDP 16 (Dimensions in mm)

Product and benefits

PLEXIGLAS RESIST® SDP 16 is a light-transmitting, heat-insulating and highly weather-resistant double-skin sheet made of **impact-modified** acrylic (poly-methyl methacrylate, PMMA).

It is used mainly for glazing private buildings and factories whenever **multi-skin PMMA sheets** are required to show **exceptional impact resistance, hail resistance and toughness**, combined with ease of construction.

The PLEXIGLAS RESIST® SDP 16 double-skin 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.

This is confirmed by the separate 10-year guarantee statement provided for PLEXIGLAS RESIST® SDP 16 (Ref. No. 111-19).

Given a normal snow load of 750 N/m², the sheet with the **width of 980 mm** can be installed **without any additional cross members** if it is supported or clamped on all sides or even if it is only clamped in suitable glazing bars along the longitudinal edges.

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 rain-water 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.

*) Europ. patent 733 754

Technical data (typical values)

Available lengths		2000 to 7000 mm	
Light transmittance τ_{D65} (UV-impermeable)	Total energy transmission g	Clear 00721 NO DROP:	~ 86 % ~ 82 %
		Clear 00721 C:	~ 85 % ~ 81 %
		White W1621:	~ 74 % ~ 73 %
		Brown 83421:	~ 53 % ~ 65 %
		Brown 83421 C:	~ 52 % ~ 64 %
U-value		2.5 W/m²K (Test report 13-901399/P1/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		22 dB	
Fire rating		Normally flammable B 2 (to DIN 4102)	Class 4 (to BS 476, part 7)
		M 4 (to NF 16 - 101)	

Texture "C"

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

Support spacing

Supported or clamped all around, the multi-skin sheet with the width of 980 mm requires for the usual load of 750 N/m² **no additional cross members**. For greater loads spacing is valid as given in the table.

Load [N/m ²]	PLEXIGLAS RESIST® SDP 16 Width as delivered 980 mm	PLEXIGLAS RESIST® SDP 16 Width as delivered 1200 mm
	Support spacing [m]	Support spacing [m]
750	∞	4.90
1000	6.50	4.00
1250	5.00	3.45
1500	4.15	2.95
1750	3.50	2.60
2000	2.85	2.30
2250	2.45	2.10
2500	2.20	1.90
2750	2.05	1.80
3000	2.00	1.75

This document describes the special features of the PLEXIGLAS RESIST® SDP 16/980 (/1200)-32 (NO DROP) double-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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