



PLEXIGLAS SOUNDSTOP® GS CC

With additional integrated sliver retention according to EN 1793, EN 1794 ZTV-Lsw 06, Section 3.4.2. No further restraint systems are required.

Colors

Colorless / Clear

Shades of blue:

Midnight Blue

Steel Blue

Sky Blue

Shades of green:

Forest Green

Sea Green

Shades of brown:

Spring Green

Smoky Brown

Transparent Noise Barriers

- highly transparent and crystal-clear
- extremely resistant to weathering and aging
- easy to form and fabricate
- lightweight
- meet the requirements of ZTV-Lsw 06, EN 1793 and EN 1794
- with 10-year guarantee (according to guarantee conditions)
- can be recycled and returned to us
- available in clear and seven transparent colors

Service – we offer you:

- cut-to-size sheets
- surface-treated sheets (e.g. matte stripes, coatings)
- sheets with line-bent edges and thermoformed elements
- technical support



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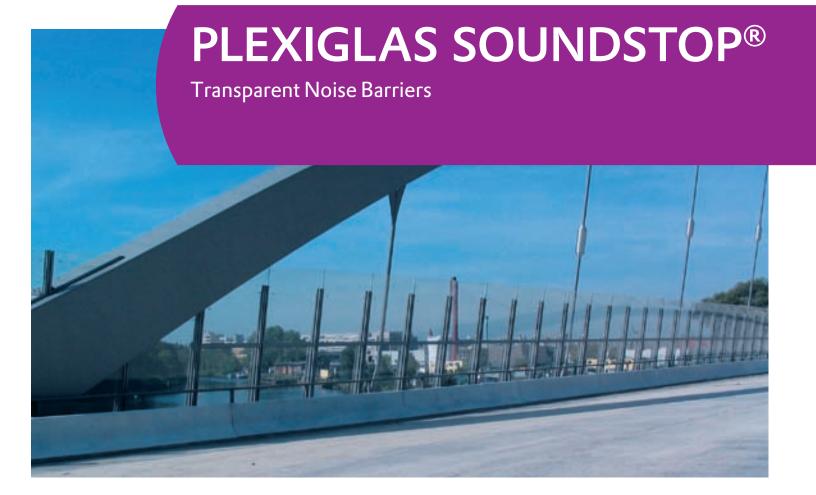
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Certified to: DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment).

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Evonik. Power to create.



Photo left: PLEXIGLAS SOUNDSTOP® GS Railroad section Frankfurt – Mannheim,

Photo right: PLEXIGLAS SOUNDSTOP® XT Velperbroek highway A12 Netherlands

PLEXIGLAS SOUNDSTOP® **GS CC-Thread Specification**

only material approved for use along bridges without additional restraint systems **Loadbearing Capacity** according to EN 1794 Parts 1 and 2. The The loadbearing capacity of the sheets threads incorporated into the sheets prevent is determined via the elastic modulus, slivers from falling onto the road surface, measured according to ISO 527. e.g. in the event of damage during a road accident.

Standards and Directives

The legal regulations that apply to transparent noise barriers are ZTV-Lsw 06 light transmission for many years. in Germany (additional technical regulations This is proved by measurement according and directives for the construction of noise to DIN 5036 Part 3 Illuminant C. barriers along roads), issued by the German Sliver Retention Ministry of Transportation, and European The sliver retention of standards EN 1793 Parts 1 to 3 and EN PLEXIGLAS SOUNDSTOP® GS CC is 1794 Parts 1 and 2, entitled "Road traffic described and tested by an impact test to noise reducing devices."

PLEXIGLAS SOUNDSTOP® meets the PLEXIGLAS SOUNDSTOP® GS CC is the requirements of ZTV-Lsw 06, EN 1793 and EN 1794.

10-Year Guarantee

Stability

This is proved by the tensile strength of the sheets, measured according to ISO 527.

Light Transmission

PLEXIGLAS SOUNDSTOP® retains its high

EN 1794-2 Appendix B.

PLEXIGLAS SOUNDSTOP® GS CC Tsuruoka, Japan









Baraki, Japan

PLEXIGLAS SOUNDSTOP® XT High-speed train section Rome-Naples, Italy PLEXIGLAS SOUNDSTOP® GS CC



Product Type	Thickness in mm	Size in mm	Miscellaneous
PLEXIGLAS SOUNDSTOP® XT	15 · 20 · 25	2,000 up to 6,000	Various thicknesses, lengths of more than 6,000 mm, width 2,050 mm on request
PLEXIGLAS SOUNDSTOP® GS	15 · 20 · 25	2,500 x 2,000 3,000 x 2,000 4,200 x 2,000 5,000 x 2,000	5,000 x 2,300 3,300 x 2,500 on request
PLEXIGLAS SOUNDSTOP® GS CC	15 · 20 · 25	2,500 x 2,000 3,000 x 2,000 4,200 x 2,000 5,000 x 2,000	With sliver-retaining black polyamide threads, embedded horizontally or vertically. Clear threads available on request
			5.000 x 2.300 3.300 x 2.500 on request

Properties		PLEXIGLAS SOUNDSTOP® XT	PLEXIGLAS SOUNDSTOP® GS, GS CC	Test Method
To a the state and		:- 70 MD-	:- 70 MD-	150 537 3 /4 B /5
Tensile strength		min. 70 MPa	min. 70 MPa	ISO 527-2/1B/5
Elongation at break		5 %	5 %	ISO 527-2/1B/5
Flexural strength		min. 98 MPa	min. 98 MPa	ISO 178
Elastic modulus		min. 3300 MPa	min. 3300 MPa	ISO 527-2/1B/5
Density		1.19 g/cm³	1.19 g/cm³	ISO 1183
Coefficient of linear thermal expansion 0 to	50° C	70.10 ⁻⁶ 1/K	70.10 ⁻⁶ 1/K	DIN 53752-A
Max. service temperature		70 °C	70 °C	_
Vicat softening temperature		102 °C	110°C	ISO 306/B50
Light transmission of crystal-clear sheets	s	min. 90 %	min. 90 %	DIN 5036
Weighted sound reduction index				
DL _R 1	5 mm	30 dB	30 dB	EN 1793-2 / ZTV- Lsw 06
2	20 mm	32 dB	32 dB	EN 1793-2 / ZTV- Lsw 06
	25 mm	33 dB	33 dB	EN 1793-2 / ZTV- Lsw 06