



Scheuten sound reducing insulating glass

# Trisolide® Phon S



July 2017

Triple insulating glass, 2 sheets of floatglass, 1 sheet Multiphon® S Laminated glass with special acoustic film (SAF)

Product name	Glass Composition Outside - Cavity - Middle - Cavity - Inside	Thickness approx. (mm)	Mass approx. (kg/m <sup>2</sup> )	R <sub>w</sub> (dB)	C (dB)	C <sub>tr</sub> (dB)	R <sub>w+</sub> C (dB)	R <sub>w+</sub> C <sub>tr</sub> (dB)	U <sub>g</sub> - value* W/m <sup>2</sup> K EN 673	Classification EN 356	Classification EN 12600
Trisolide® Phon S 40/40	4 - 12 - 4 - 12 - 4(0.50 SAF)4	40	40	40	-1	-5	39	35	0,7	- / - / P1A	- / - / 1B1
Trisolide® Phon S 40/44	4 - 14 - 4 - 14 - 4(0.50 SAF)4	44	40	40	-1	-5	39	35	0,6	- / - / P1A	- / - / 1B1
Trisolide® Phon S 41/42	6 - 12 - 4 - 12 - 4(0.50 SAF)4	42	45	41	-1	-6	40	35	0,7	- / - / P1A	- / - / 1B1
Trisolide® Phon S 41/44	6 - 14 - 4 - 14 - 3(0.50 SAF)3	44	40	41	-2	-6	39	35	0,6	- / - / P1A	- / - / 2B2
Trisolide® Phon S 42/43	6 - 12 - 5 - 12 - 4(0.50 SAF)4	43	47	42	-2	-7	40	35	0,7	- / - / P1A	- / - / 1B1
Trisolide® Phon S 42/47	6 - 14 - 5 - 14 - 4(0.50 SAF)4	47	47	42	-2	-6	40	36	0,6	- / - / P1A	- / - / 1B1
Trisolide® Phon S 43/46	6 - 14 - 4 - 14 - 4(0.50 SAF)4	46	45	43	-2	-7	41	36	0,6	- / - / P1A	- / - / 1B1
Trisolide® Phon S 43/46-B	6 - 12 - 6 - 12 - 5(0.50 SAF)5	46	55	43	-2	-6	41	37	0,7	- / - / P1A	- / - / 1B1
Trisolide® Phon S 43/51	6 - 16 - 5 - 16 - 4(0.50 SAF)4	51	47	43	-2	-6	41	37	0,6	- / - / P1A	- / - / 1B1
Trisolide® Phon S 44/44	8 - 12 - 4 - 12 - 4(0.50 SAF)4	44	50	44	-2	-6	42	38	0,7	- / - / P1A	- / - / 1B1
Trisolide® Phon S 44/45	8 - 12 - 5 - 12 - 4(0.50 SAF)4	45	52	44	-2	-6	42	38	0,7	- / - / P1A	- / - / 1B1
Trisolide® Phon S 44/46	8 - 12 - 6 - 12 - 4(0.50 SAF)4	46	55	44	-2	-6	42	38	0,7	- / - / P1A	- / - / 1B1
Trisolide® Phon S 44/48	8 - 14 - 6 - 14 - 3(0.50 SAF)3	48	50	44	-2	-6	42	38	0,6	- / - / P1A	- / - / 2B2
Trisolide® Phon S 44/49	8 - 14 - 5 - 14 - 4(0.50 SAF)4	49	52	44	-1	-5	43	39	0,6	- / - / P1A	- / - / 1B1
Trisolide® Phon S 45/47	6 - 12 - 5 - 12 - 6(0.50 SAF)6	47	57	45	-2	-6	43	39	0,7	- / - / P1A	- / - / 1B1
Trisolide® Phon S 45/53	8 - 16 - 5 - 16 - 4(0.50 SAF)4	53	52	45	-1	-5	44	40	0,6	- / - / P1A	- / - / 1B1
Trisolide® Phon S 46/46	10 - 12 - 4 - 12 - 4(0.50 SAF)4	46	55	46	-2	-5	44	41	0,7	- / - / P1A	- / - / 1B1
Trisolide® Phon S 46/48	10 - 12 - 6 - 12 - 4(0.50 SAF)4	48	60	46	-2	-5	44	41	0,7	- / - / P1A	- / - / 1B1
Trisolide® Phon S 46/54	10 - 14 - 6 - 14 - 5(0.50 SAF)5	54	65	46	-1	-3	45	43	0,6	- / - / P1A	- / - / 1B1
Trisolide® Phon S 46/56	10 - 14 - 6 - 14 - 6(0.50 SAF)6	56	70	46	-1	-3	45	43	0,6	- / - / P1A	- / - / 1B1
Trisolide® Phon S 47/54	10 - 14 - 8 - 14 - 4(0.50 SAF)4	54	65	47	-2	-5	45	42	0,6	- / - / P1A	- / - / 1B1
Trisolide® Phon S 47/54-B	10 - 16 - 4 - 16 - 4(0.50 SAF)4	54	55	47	-1	-4	46	43	0,6	- / - / P1A	- / - / 1B1

Triple insulating glass, 1 sheet of floatglas, 2 sheets of Multiphon® S Laminated glass with special acoustic film (SAF)

Product name	Glass Composition Outside - Cavity - Middle - Cavity - Inside	Thickness approx. (mm)	Mass approx. (kg/m <sup>2</sup> )	R <sub>w</sub> (dB)	C (dB)	C <sub>tr</sub> (dB)	R <sub>w+</sub> C (dB)	R <sub>w+</sub> C <sub>tr</sub> (dB)	U <sub>g</sub> - value* W/m <sup>2</sup> K EN 673	Classification EN 356	Classification EN 12600
Trisolide® Phon S 42/41	3(0.50SAF)3 - 12 - 4 - 12 - 3(0.50SAF)3	41	40	42	-1	-6	41	36	0,7	P1A / - / P1A	2B2 / - / 2B2
Trisolide® Phon S 44/43	3(0.50SAF)3 - 12 - 4 - 12 - 4(0.50SAF)4	43	45	44	-1	-6	43	38	0,7	P1A / - / P1A	2B2 / - / 1B1
Trisolide® Phon S 45/47 - B	3(0.50SAF)3 - 14 - 4 - 14 - 4(0.50SAF)4	47	45	45	-2	-7	43	38	0,6	P1A / - / P1A	2B2 / - / 1B1
Trisolide® Phon S 45/45	4(0.50SAF)4 - 12 - 4 - 12 - 4(0.50SAF)4	45	50	45	-2	-6	43	39	0,7	P1A / - / P1A	1B1 / - / 1B1
Trisolide® Phon S 46/49	4(0.50SAF)4 - 14 - 4 - 14 - 4(0.50SAF)4	49	50	46	-2	-7	44	39	0,6	P1A / - / P1A	1B1 / - / 1B1
Trisolide® Phon S 48/49	4(0.50SAF)4 - 12 - 4 - 12 - 6(0.50SAF)6	49	60	48	-1	-6	47	42	0,7	P1A / - / P1A	1B1 / - / 1B1
Trisolide® Phon S 49/51 - B	4(0.50SAF)4 - 12 - 6 - 12 - 6(0.50SAF)6	51	65	49	-2	-6	47	43	0,7	P1A / - / P1A	1B1 / - / 1B1
Trisolide® Phon S 49/51	4(0.76SAF)4 - 12 - 6 - 12 - 6(0.76SAF)6	51	65	49	-2	-7	47	42	0,7	P2A / - / P2A	1B1 / - / 1B1
Trisolide® Phon S 50/53	4(0.50SAF)4 - 14 - 4 - 14 - 6(0.50SAF)6	53	60	50	-2	-6	48	44	0,6	P1A / - / P1A	1B1 / - / 1B1
Trisolide® Phon S 50/55	4(0.50SAF)4 - 14 - 6 - 14 - 6(0.50SAF)6	55	65	50	-2	-6	48	44	0,6	P1A / - / P1A	1B1 / - / 1B1
Trisolide® Phon S 51/57	5(0.50SAF)5 - 14 - 6 - 14 - 6(0.50SAF)6	57	70	51	-2	-5	49	46	0,6	P1A / - / P1A	1B1 / - / 1B1

Spectrum corrections	Distinctive sound sources
<p style="text-align: center;"><b>C</b> Spectrum 1 (high frequency) (A-weighted)</p>	Daily activities (conversation, music, radio, TV)
	Children playing
	Train traffic (middle / high speed)
	Motorway traffic (> 80 km/h ≈ 50 mph)
	Jet plane (short distance)
<p style="text-align: center;"><b>C<sub>tr</sub></b> Spectrum 2 (low frequency) (A-weighted)</p>	Factories (with mainly middle and high frequency noise emission)
	Urban traffic noise
	Train traffic (low speed)
	Aircraft (propeller)
	Jet plane (large distance)
	Disco music
Factories (with mainly low and middle frequency noise emission)	

In accordance with NEN-EN-ISO 717-1

Laboratory tests in accordance with NEN-EN-ISO-140-3 / NEN-EN-ISO-10140-2

NPD = No Performance Determined

\*based on Argon gasfilling and a standard heat-reflecting coating (SSN1.1)

All acoustic glass compositions in the above table are available as heat insulation glazing or solar control glazing. Contact our sales department for further details.

Please refer to our website [www.scheuten.com](http://www.scheuten.com) for the most recent information



info@scheuten.com • www.scheuten.com

