PERFORMANCE

Acoustic insulation

STADIP SILENCE overcomes the drop in the acoustic insulating performance of glass at the critical frequency, in both single and double glazing. It therefore ensures optimum acoustic performance.

Safety

SGG STADIP SILENCE achieves the same levels of safety and security as STADIP, STADIP PROTECT and STADIP PROTECT SP, of identical composition (glass thickness and number of interlayers). Example: 9.5mm STADIP SILENCE is classed as P5A in accordance with BS EN 356 along with STADIP PROTECT SP 510 (9.5mm).

For single glazing

For the same thickness of glass, STADIP SILENCE achieves an average increase, expressed in Rw (BS EN ISO 717), of between 3 dB compared with conventional STADIP or STADIP PROTECT laminated glass and 5 dB compared with monolithic PLANICLEAR.

STADIP SILENCE single-glazing performance

Laminated glass											
SGG STADIP SILENCE (1)		6.4A	8.4A	10.4A	12.4A	6.8A	8.8A	10.8A	12.8A	9.5A	SP 510A
Thickness	mm	6	8	10	12	7	9	11	13	10	10
Weight	kg/m²	15,5	20,5	25,5	30,5	16	21	26	31	21,5	22
Light factor											
LT	%	88	87	86	85	88	87	86	85	86	86
LRe	%	8	8	8	8	8	8	8	8	8	8
LRi	%	8	8	8	8	8	8	8	8	8	8
UV	%	2	2	2	2	<1	<1	<1	<1	<1	<1
Energy factor											
T	%	74	71	68	65	73	70	67	64	68	67
Re	%	7	7	7	6	7	7	7	6	7	7
Ri	%	7	7	7	7	7	7	7	6	7	7
A	%	19	22	25	28	20	23	27	29	25	27
Solar factor g		0,79	0,77	0,75	0,73	0,78	0,76	0,74	0,72	0,75	0,74
Shading Coefficient SC		0,91	0,88	0,86	0,84	0,90	0,87	0,85	0,82	0,86	0,85
U-value	W/(m².K)	5,7	5,7	5,6	5,5	5,7	5,7	5,6	5,5	5,7	5,7
Sound reduction indicies											
RW	dB	35	36 (3)	38	39	35	37	38	39	37	38
C	dB	-1	0	-1	-1	-1	0	0	0	0	-1
Ctr	dB	-3	-2	-3	-2	0	-3	-2	-2	-2	-2
RA	dB	34	36	37	38	35	37	38	39	37	37
RA,tr	dB	32	34	35	37	32	34	36	37	35	36

(1) The letter A signifies the use of an acoustic PVB interlayer.