

## WINDOW NOISE INSULATION SOLUTIONS

SIP 1-15 (timber windows)

SIPA 1-15 (timber-aluminium windows)



2 x glass solutions							
Item	Window sound insulation Rw	Glass sound insulation Rw	Window thermal conductivity	Glass thermal conductivity	Seals quantity	Glass	Glass filling
SIP-1 SIPA-1	31dB***	30 dB*	U-1,61 W/m²K	U-1,4 W/m²K	1	double 24mm glass - air (4mm clear + 4mm clear/LowE)	16mm aluminium
SIP-2 SIPA-2	32dB***	30 dB*	U-1,24 W/m²K	U-1,1 W/m²K	2	double 24mm glass - argoon (4mm clear + 4mm clear/LowE)	16mm Swisspacer
SIP-3 SIPA-3	36dB***	35 dB*	U-1,24 W/m²K	U-1,1 W/m²K	2	double 26mm glass - argoon (6mm clear + 4mm clear/LowE)	16mm Swisspacer
SIP-4 SIPA-4	38dB***	37 dB*	U-1,24 W/m²K	U-1,1 W/m²K	2	double 32mm glass - argoon (8mm clear + 6mm clear/LowE)	18mm Swisspacer
SIP-5 SIPA-5	40dB***	39 dB* (SC)	U-1,24 W/m²K	U-1,1 W/m²K	2	double 29mm glass - argoon (9mm-44.2 clear/lam + 4mm clear/LowE)	16mm Swisspacer
SIP-6 SIPA-6	42dB***	41 dB* (SC)	U-1,24 W/m²K	U-1,1 W/m²K	2	double 33mm glass - argoon (9mm-44.2 clear/lam + 6mm clear/LowE)	18mm Swisspacer
SIP-7 SIPA-7	44dB***	43 dB* (SC)	U-1,24 W/m²K	U-1,1 W/m²K	2	double 37mm glass - argoon (11mm-55.2 clear/lam + 8mm clear/sel)	18mm Swisspacer
SIP-8 SIPA-8	46dB***	45 dB* (SLA)	U-1,24 W/m²K	U-1,1 W/m²K	2	double 36mm glass - argoon (8mm-44.1 clear/lam + 10mm clear/LowE)	18mm Swisspacer
SIP-9 SIPA-9	50dB***	49 dB* (SC)	U-1,24 W/m²K	U-1,1 W/m²K	2	double 38mm glass - argoon (9mm-44.3 clear/lam + 13mm-66.3mm clear/lam/LowE)	16mm Swisspacer

3 x glass solutions							
SIP-10 SIPA-10	33dB***	32 dB*	U-1,53 W/m²K	U-1,3 W/m²K	1	triple 36mm glass - air (4mm clear + 4mm clear + 4mm clear/LowE)	2 x 12mm aluminium
SIP-11 SIPA-11	34dB***	32 dB*	U-0,82 W/m²K	U-0,6 W/m²K	2	triple 42mm glass - argoon (4mm clear/LowE + 4mm clear + 4mm clear/LowE)	2 x 15mm Swisspacer
SIP-12 SIPA-12	37dB***	36 dB*	U-0,9 W/m²K	U-0,7 W/m²K	2	triple 41mm glass - argoon (6mm clear/LowE + 4mm clear + 4mm clear/LowE)	12 + 15mm Swisspacer
SIP-13 SIPA-13	38dB***	37 dB*	U-0,9 W/m²K	U-0,7 W/m²K	2	triple 40mm glass - argoon (8mm clear/LowE + 4mm clear + 4mm clear/LowE)	2 x 12mm Swisspacer
SIP-14 SIPA-14	41dB***	40 dB** (SC)	U-0,9 W/m²K	U-0,7 W/m²K	2	triple 41mm glass - argoon (9mm-44.2 clear/lam/LowE + 4mm clear + 4mm clear/LowE)	2 x 12mm Swisspacer
SIP-15 SIPA-15	43dB***	42 dB** (SC)	U-1,0 W/m²K	U-0,8 W/m²K	2	triple 41mm glass - argoon (9mm-44.2 clear/lam/LowE + 4mm clear + 8mm clear/LowE)	10 + 10mm Swisspacer

\* glass producers datas  
 \*\* glass predictable value  
 \*\*\* complete window predictable value  
 SC - Sound Control -PVB- Interlayer  
 SLA - Akustik -PVB- Interlayer