

SOUNDPRUFE™

laminated sound control safety glass

Soundprufe™ laminated safety glass is manufactured with a special vinyl interlayer that offers better sound control than traditional polyvinyl butyral (PVB) interlayers. The sound control rating of glass is expressed as a weighted sound reduction index (R_w) measured in decibels (dB). Conventional laminated glass with a single normal strength (NS) vinyl interlayer is rated at 33 dB. A high penetration resistant (HPR) interlayer can improve the rating to 34 dB.

Soundprufe with a 0.76 mm HPR interlayer is rated at 38 dB and provides a noticeable improvement in sound reduction. Soundprufe also works better at lower temperatures because the Soundprufe interlayer retains its sound reducing properties better than traditional PVB interlayers. In addition to a better weighted sound reduction index, Soundprufe offers superior dampening across the coincidence dip – a frequency range in which glass of a specific thickness typically becomes more transparent to sound waves.

applications

Soundprufe can be glazed into standard aluminium, wooden or specialist frames to control noise from a variety of sources, including aircraft, road traffic, music systems, public events, schools and other busy institutions.

options and sizes

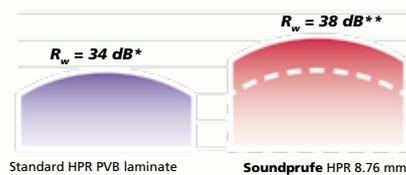
Soundprufe is available with any of the coloured vinyl interlayers and glasses in the ColourVue range. Soundprufe can also be manufactured with any SolarVue, Solarshield or CoolVue coating.

thickness and sheet sizes

Nominal glass thickness (mm)	3.0	4.0
Soundprufe HPR thickness (mm)	6.76	8.76
Standard size (mm)	3210 x 2250	3210 x 2250

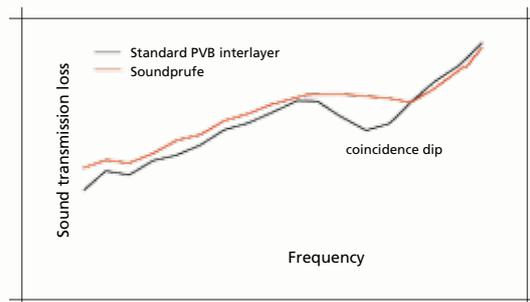
Additional standard stock sizes are available on request. Recommended maximum size will depend on application and design load.

superior sound reduction index



HPR = High Penetration Resistant
 * Tested by Laboratorium voor Akoestiek (Leuven, Belgium)
 ** Tested by Fraunhofer Institut für Bauphysik (Stuttgart, Germany)

sound control across the coincidence dip



Sound reduction index compared to standard laminate	
Product	R_w
Standard HPR PVB laminate	34 dB
Soundprufe HPR 8.76 mm	38 dB