ACOUSTIC LAMINATED GLASS

AKUSTEX®

Acoustic glazing protects inhabited spaces against annoying outside noise. Nowadays, this is one of the main priorities of architects and designers.

Akustex® improves comfort in spaces thanks to its sound attenuation capabilities. Acoustic insulating glass blends transparency with noise mitigation. The process for achieving acoustic glazing is simple:

— Either through two glasses of different thickness (asymmetry).
— Or, the most effective way, with a laminated glass made up of glasses joined by a colourless-and-acoustic-type polyvinyl butyral (PVB) film.

Akustex® also has the added advantage of being a safety glass and stops almost 100% of the sun's ultraviolet (UV) radiation.

❯ Services

— It is in turn a Lamistar® safety glass.
— It improves the acoustic comfort by reducing sound transmission through the glazing.
— It blocks the UV radiation and avoids the discoloration of goods, curtains, woods and furniture.
— It also improves thermal comfort, when assembled in insulating glass units. Its properties can be combined with those of the Neutralux® and Solarlux® products.
— It complies with the soundproofing requirement of the Technical Building Code (CTE, for its Spanish initials) in its section DB-HR [Basic Document on Protection against Noise; H attachment].

❯ Use

— General insulation and with acoustic barrier.
— Residential or hospital areas.
— Cultural, administrative or educational areas.
— Urban or high-traffic noise environments or airports.

Reference sound absorptions

COMPOSITION (IGU)		4 / C 8 / 4	6 / C 16 Ar / 44.2 (ac)	44.2 / C 18 Ar / 44.2 (ac)	64.1(ac) / C 18 / 66.1 (ac)	66.1 (ac)/ C18 Ar / 88.1 (ac)
Acoustic performance	dD(A)	28	42	45	48	52
Pink noise insulation	Rw + C (dB)	0	-3	-2	-1	-1
Traffic noise insulation	Rw + Ctr (dB)	-2	-7	-8	-6	-5

All measurements in mm. Ar= argon. Direct airborne acoustic insulation index, Rw (dB) and spectral adaptation terms C (pink) and Ctr (traffic), Ac = acoustic PVB

tvitec