

LAMINATED GLASS

LamiGlass Sound Control

Safety and Security with Enhanced Sound Control

- **Enhanced acoustic performance**
- **Break safe characteristics**
- **Resists attack**
- **UV protection**

GUARDIAN offers LamiGlass Sound Control, comprising two or more panes of glass bonded together using clear sound control PVB interlayers. By combining different combinations of glass thicknesses and varying types of sound control PVB interlayers, enhanced acoustic performances can be achieved in addition to the safety, security, ballistic, & blast resistant.



PRODUCT DESCRIPTION

LamiGlass Sound Control uses a variety of Sound Control PVB interlayers to achieve enhanced acoustic performance. When combined with different glass types and thicknesses improved acoustic performance is achieved as the Sound Control PVB interlayer helps to absorb sound energy, creating a more relaxing environment within the building. All LamiGlass is tested in accordance with European standards, to ensure that the glass can resist different levels of impact, creating a safe and secure barrier. The PVB interlayer absorbs up to 99.5% of ultra violet light, helping to reduce fading and ageing effects. Guardian LamiGlass may be supplied in coated forms, using Guardian SunGuard and ClimaGuard ranges.

APPLICATIONS

LamiGlass is used in many applications such as, curtain walling, windows, overhead glazing, partitions, and any area where improved acoustic performance is a requirement.

PROCESSING

Laminated glass can be cut to size to suit the required applications, processed if necessary, and manufactured into insulating glass units with other Guardian products.

SOUND REDUCTION INDICES

These are certified examples of sound reduction indices using Guardian LamiGlass Sound Control (SC). Further calculations and certified results are available through the Guardian Plus business support centre, where we provide in excess of 400 results and certificates. For details on Guardian Plus and to register for access to the technical centre please visit www.guardianplus.co.uk

	Frequency - Hertz						Rw (C,Ctr)	Rw	Rw + C	Rw + Ctr
	125	250	500	1000	2000	4000				
Single laminated glass										
8.8 SC	26	29	34	38	39	45	37 (-0;-3)	37	37	34
10.8 SC	26	31	35	39	40	48	38 (-0;-3)	38	38	35
12.8 SC	30	33	37	40	42	51	40 (-1;-3)	40	39	37
Double insulating glass units										
6 / 16 / 8.8 SC	24	28	39	48	46	56	41 (-2;-6)	41	39	35
8 / 16 / 10.8 SC	24	31	41	46	46	59	42 (-2;-6)	42	40	36
8.8 SC / 16 / 12.8 SC	28	38	46	50	54	67	47 (-2;-6)	47	45	41
12.8 SC / 16 / 16.8 SC	34	41	47	53	61	68	51 (-1;-5)	51	50	46
Triple insulating glass units										
6 / 12 / 4 / 12 / 8.8 SC	23	31	39	49	48	59	41 (-2;-6)	41	39	35
8.8 SC / 12 / 6 / 12 / 10.8 SC	29	34	45	53	54	66	47 (-2;-7)	47	45	40