

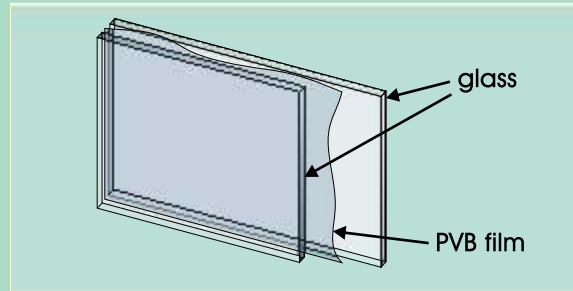
Thickness and size

Kaveh glass laminated glass is available in a wide range of sizes up to 80mm thickness and dimension from 300 x 600 mm up to 2600mm x 5500mm.



www.kavehglass.com

Laminated glass



Laminated glass is a combination of two or more glass sheets with one or more interlayer of PVB (Poly Vinyl Butyral).

In case of breakage, the interlayer holds the fragments together and continues to provide resistance to the passage of persons or objects.

This glass is particularly suitable where it is important to ensure the resistance of the whole sheet after breakage such as: shop-fronts, balconies, stair-railings, roof glazing, exterior storefronts, curtain walls and windows, etc.



KAVEH GLASS INDUSTRY GROUP

KAVEH GLASS due to its pivotal role in transferring and development of the latest technologies of glass and related industry in Iran, has had a unique partnership in completion of secondary processes. Establishment of Laminated glass line is another project in Kaveh Glass Industry which was inaugurated in early 2009 . Its annual capacity is 2,000,000 M². and is one of the largest plants of laminated glass of its kind.



KAVEH
GLASS INDUSTRY GROUP



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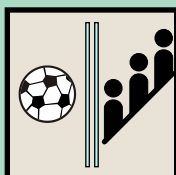
Application

The laminated glass has different performances due to interlayer capability and characteristics including color and texture so that can let it to be used for different purposes where as :

- Safety
- Security
- Sound reduction
- Solar energy control
- UV control
- Seismic protection
- Durability
- Design versatility
- Installation ease



is required. It reduces the risk of injury or loss from accidental or natural causes, breakage or fallout. Laminated glass is rapidly emerging as a powerful safety glazing.



*SPECTATOR
PROTECTION*



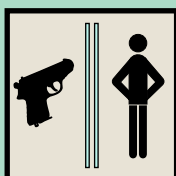
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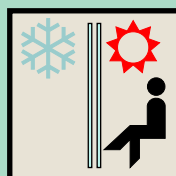
*EXPLOSION
PROTECTION*



*SOUND
PROTECTION*



*BULLET
PROTECTION*



*COLD AND
HEAT PROTECTION*

Light transmission

Light transmission of laminated glass combined with different type of glass and coatings

Name	%VLT	%T solar	%T uv
clear 3mm+clear 4mm	75	59	1.7
clear 3mm+single Low-E 4mm	61	34	1.4
clear 3mm+Bronze glass 4mm	56	46	0.3
clear 3mm+Blue glass 4mm	53	51	2.4
clear 3mm+Super silver 4mm	39	34	0.3

Using 0.38 mm PVB film



Sound transmission

Glazing		STC*
single glaze	6 mm	31
	12 mm	35
Laminated	6.76 mm 3mm+0.76 interlayer+3mm	36
	7.1 mm 3mm+1.1 interlayer+3mm	36
	9.76 mm 6mm+0.76 interlayer+3mm	37
Laminated Insulating Glass	25.76mm 3mm+0.76interlayer+3mm +13mm air space+6mm	40
	113.76mm 3mm+0.76interlayer+3mm +102mm air space+5mm	50

*STC : Sound Transmission Class; a higher window system STC number means a quieter environment for the customer.