



PRESSGLASS

LEADING IN EUROPE



LAMINATED GLASS

MANUFACTURED BY PRESS GLASS

www.pressglass.com

MANUFACTURED BY PRESS GLASS LAMINATED GLASS

Layered panes have unlimited application possibilities

In order to adapt their construction to various requirements the standard range of symmetrically built laminated annealed Float panes is insufficient, therefore PRESS GLASS extended its range with its own production of layered panes. PRESS GLASS possesses a world-class Benteler glass laminating line and Scholz autoclave, which are the guarantee of products of the highest quality.



TYPES OF PRODUCTS OFFERED

- laminated panes
- laminated safety panes
- laminated protective panes

MERITS OF LAMINATED PANELS

- in the event of being smashed the glass panel still remains glued to the foil, minimising the risk of injury to the user from pieces of broken glass
- significantly increased sound insulation barrier in comparison with monolithic glass of the same thickness
- applied in windows, facades or partition walls:
 - after smashing prevents access to the interior of rooms by third persons
 - may constitute a temporary barrier during attempted burglary
 - multi-layered laminated panes may provide protection against gunfire and against explosion shock wave
- limits penetration of UV radiation, which prevents rapid fading of colours of walls and furniture.



COMPARISON OF ACOUSTIC PROPERTIES OF SELECTED MONOLITHIC AND LAYERED PANES WITH SIMILAR THICKNESS, BASED ON EN 12758 and 12354-3

Structure [mm]	Acoustic Insulation Indicator [dB]		
	R_w	C_{tr}	C
6	31	-3	-2
6,4 (VSG 33.1)	32	-3	-1
8	32	-3	-2
9,5 (VSG 44.4)	34	-3	-1

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Layered panes are executed in all the combinations permitted by the production process possibilities. Layered safety panes are

the panes among all possible combinations, which fulfil the requirements of one of the classes given in Standard EN 12600.

Correspondingly the construction of layered protective panes satisfies the requirements of Standard EN 356.

LAMINATED GLASS TYPES

- colourless and coloured in mass
- with low emission anti solar and selective coatings
- chosen ornaments decoration

APPELIED FOR FOIL TYPES

- colourless
- matt
- acoustic
- colour

SAFETY AND PROTECTIVE LAYERED PANEL CONSTRUCTIONS OFFERED

TWO-LAYERED LAMINATED PANE CONSTRUCTION

Min. glass thickness from the side of action of given destructive factor	Minimal quantity of foil layers expressed in foil of thickness 0.38mm	Min. glass thickness from the side free of action of given destructive factor	Class EN 12600
3	1	3	2B2
3	2	3	1B1

WINDOW DESIGNS PROVIDED PROTECTIVE LAYER

TWO-LAYERED LAMINATED PANE CONSTRUCTION

Nominal thickness [mm]	Min. glass thickness from the side of action of given destructive factor	Minimal quantity of foil layers expressed in foil of thickness 0.38mm	Min. glass thickness from the side free of action of given destructive factor	Class EN 356
-	3	2	3	P1A
-	4	2	4	P2A
-	4	4	4	P3A
-	4	4	4	P4A
-	4	6	4	P5A

MULTI-LAYERED LAMINATED PANE CONSTRUCTION

15,04	-	-	-	P6B
23,04	-	-	-	P7B
27,80	-	-	-	P8B

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MOST IMPORTANT APPLICATIONS

- combined panes in windows and facades
- partition walls and other internal glazing
- glass stairs
- barriers
- shelves
- filling decorative internal architectural elements

POTENTIAL OF PRESS GLASS PRODUCTION LINE

Max. packet thickness [mm]	100
Max. format measurements [mm]	3200 x 7000
Min. format measurements [mm]	250 x 500
Max. weight [kg]	
- of packet	1000
- component panes	500

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We constantly modify our manufacturing processes and change habits to limit the negative effect on the environment. In order to facilitate the changes, we have adopted ISO 14001, the worldwide management system for environmental protection.



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