



PRESSGLASS

PRODUCT OFFERING

www.pressglass.us

EXPAND YOUR VIEW TO 275" x 126"

At PRESS GLASS, we manufacture insulated units with maximum dimension 275" x 126".

We are an independent company and therefore, we offer products from all of the greatest suppliers: AGC Glass, Euroglas, Fenzi, Guardian, IGK Isolierglasklebstoffe, Kömmerling, Pilkington, Rolltech, Saint-Gobain Glass, Technoform and

Vitro Glass. We provide independent technical advice regarding the choice of components in our finished products.

The solution we advocate will depend on the product performance requirements, its place of use, the assumed processing methods and the required delivery period.

Our suppliers of glass:

AGC
GLASS UNLIMITED

EUROGLAS

GUARDIAN
Glass • Automotive • Building Products

PILKINGTON™

SAINT-GOBAIN

Vitro

For the North American market our offering is divided into the three main sectors: Monolithic Glass, Fabricated Glass and Insulated Units. The offering covers components or products dedicated to the commercial market for all the types of facade and interior glazing construction systems. Our portfolio characterizes such functions as solar control, thermal protection, and sound insulation as well as safety, decoration, outstanding appearance, and improved resistance.

MONOLITHIC GLASS

Among all the types of glass offered, there is a need for monolithic glass. PRESS GLASS offers monolithic glass that is cut to the required dimensions for the following types: float glass, low-iron or tinted glass, reflective and hard-coated, as well as laminated. Monolithic glass is offered as the most basic product without any additional machining, heat treating, etc. All glass entrance systems as well as point supported systems.

INSULATED UNITS - INTRO

An insulated unit is a hermetically sealed system of glass panes separated from one another, with spacer bars and sealed with a sealant.



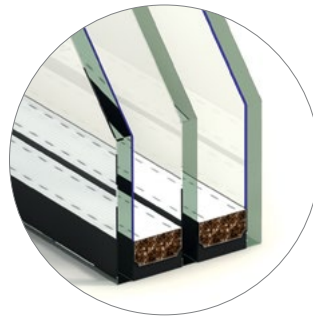
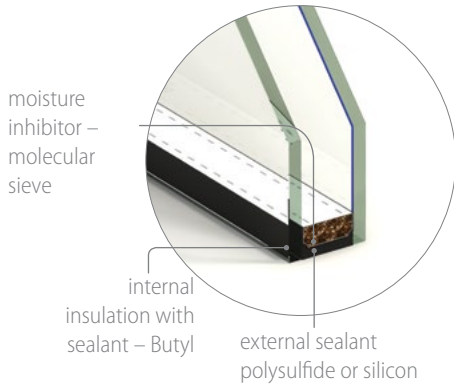
Insulated unit structure

The space between glass panes, is filled with air or argon.



Double unit

Triple unit



INSULATED UNITS – THERMAL PROTECTION ON EDGES

The generally applied aluminum spacer bars, an essential element in insulated units, have shown to be the weak point in an insulated units efficiency. To significantly increase thermal insulation of that part of insulated units we offer spacer bars called Warm Edge. Our offering includes the most known brands among the Warm Edge spacer bars market.

Spacer bar type

Aluminum	COLD EDGE
Chromatech (Stainless steel)	WARM EDGE
Chromatech ultra	WARM EDGE
TGI	WARM EDGE



INSULATED UNITS – THERMAL PROTECTION AND SOLAR CONTROL

The Low-E glass can help with improving thermal and solar performance. It's possible by using passive and solar control low-e coatings on glass.

PRESS GLASS recommends using various Low-E coatings to help manage

the heat coming into a building during the summer months as well as keeping as much light in as possible during the winter months. Low-e coatings may be used only in assembled insulated unit.



INSULATED UNITS - ACOUSTIC



Protection against noise is one of the most important issues in our lives. In such situations the use of acoustic insulated units can offer a way to reduce

the noise coming into a building, making it more comfortable for the occupants.

PRESS GLASS possesses North American certifica-

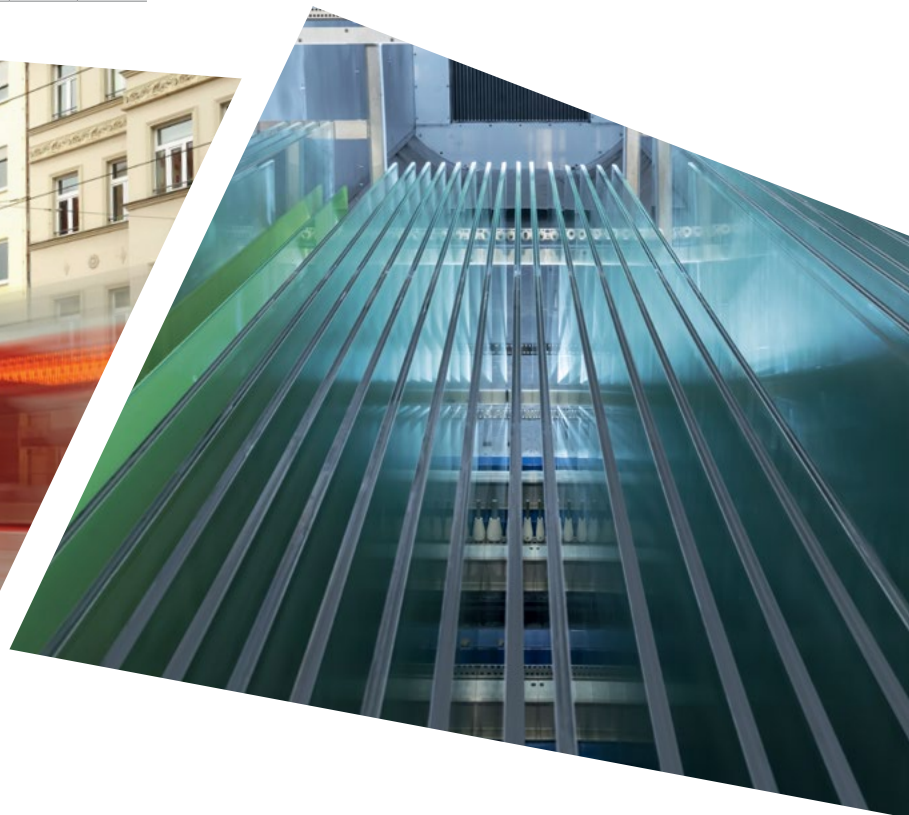
tion for sound absorbing glass with an acoustic insulation factor STC ranging between 33 dB and 52 dB.

MONOLITHIC GLASS

STRUCTURE [mm]	Gas	STC [dB]	OITC [dB]
12,8 (Lami. 66.2) Acoustic	-	40	35
16,8 (Lami. 88.2) Acoustic	-	42	37

DOUBLE GLAZED UNITS

STRUCTURE [mm]	Gas	STC [dB]	OITC [dB]
6/12/6	Argon	33	27
8/16/8	Argon	34	27
6,4 (Lami. 33.1)/12/6,4 (Lami. 33.1)	Argon	35	27
8,8 (Lami. 44.2)/12/8,8 (Lami. 44.2)	Argon	38	30
8/14/6	Argon	38	31
10/12/6	Argon	38	31
8/16/10	Argon	39	32
12,8 (Lami. 66.2)/12/6	Argon	40	33
8/16/12	Argon	40	35
8/16/10,8 (Lami. 55.2) Acoustic	Argon	41	31
8,8 (Lami. 44.2) Acoustic/16/6,8 (Lami. 33.2)	Argon	41	32
12,8 (Lami. 66.2) Acoustic/12/8	Argon	42	34
8/20/10,8 (Lami. 55.2)	Argon	42	34
12,8 (Lami. 66.2)/12/8,8 (Lami. 44.2)	Argon	43	34
8,8 (Lami. 44.2) Acoustic/12/8,8 (Lami. 44.2)	Argon	43	34
10/14/16,8 (Lami. 88.2)	Argon	43	37
12,8 (Lami. 66.2) Acoustic/12/10	Argon	43	35
16,8 (Lami. 88.2) Acoustic/12/10	Argon	44	36
8,8 (Lami. 44.2) Acoustic/16/8,8 (Lami. 44.2) Acoustic	Argon	45	33
12,8 (Lami. 66.2) Acoustic/16/8,8 (Lami. 44.2) Acoustic	Argon	47	36
13,5 (Lami. 66.4) Acoustic/14/12,8 (Lami. 66.2) Acoustic	Argon	48	38
12,8 (Lami. 66.2) Acoustic/20/8,8 (Lami. 44.2) Acoustic	Argon	51	42
16,8 (Lami. 88.2) Acoustic/20/12,8 (Lami. 66.2) Acoustic	Argon	51	46



TRIPLE GLAZED UNITS

STRUCTURE [mm]	Gas	STC [dB]	OITC [dB]
4/12/4/12/4	Argon	33	25
6/12/6/12/6	Argon	35	25
4/12/4/12/6,4 (Lami. 33.1)	Argon	35	26
6/12/4/12/4	Argon	36	27
8,8 (Lami. 44.2)/12/4/12/8,8 (Lami. 44.2)	Argon	39	28
8,8 (Lami. 44.2)/12/6/12/8,8 (Lami. 44.2)	Argon	39	29
6/12/6/12/8,8 (Lami. 44.2)	Argon	40	30
6/12/4/12/8,8 (Lami. 44.2)	Argon	41	29
6/12/6/12/8,8 (Lami. 44.2) Acoustic	Argon	41	30
8,8 (Lami. 44.2) Acoustic/12/6/12/4	Argon	41	33
8/12/6/12/8,8 (Lami. 44.2)	Argon	43	32
6/12/6/12/10,8 (Lami. 55.2)	Argon	43	32
6,4 (Lami. 33.1) Acoustic/12/4/12/6,4 (Lami. 33.1) Acoustic	Argon	43	34
8/12/6/12/10,8 (Lami. 55.2)	Argon	43	34
12,8 (Lami. 66.2)/12/6/12/6	Argon	43	34
8/12/8/12/10,8 (Lami. 55.2)	Argon	44	33
12,8 (Lami. 66.2)/16/4/16/6	Argon	44	35
8/16/6/16/12,8 (Lami. 66.2)	Argon	45	30
8/16/6/16/12,8 (Lami. 66.2) Acoustic	Argon	46	32
6,4 (Lami. 33.1)/12/4/12/26,6 Pyrobel 25	Argon	46	36
12,8 (Lami. 66.2)/16/4/16/9,5 (Lami. 44.4)	Argon	47	33
13,5T (Lami. 66.4) Acoustic/14/4/14/9,5 (Lami. 44.4)	Argon	47	37
8,4 (Lami. 44.1) Acoustic/12/4/12/8,4 (Lami. 44.1) Acoustic	Argon	47	38
8,4 (Lami. 44.1) Acoustic/12/6/12/8,4 (Lami. 44.1) Acoustic	Argon	47	38
8,8 (Lami. 44.2) Acoustic/12/6/12/8,4 (Lami. 44.1) Acoustic	Argon	47	38
8,8 (Lami. 44.2) Acoustic/12/6/12/8,8 (Lami. 44.2) Acoustic	Argon	47	38
9,5 (Lami. 44.4)/12/6/12/8,8 (Lami. 44.2) Acoustic	Argon	47	38
9,5 (Lami. 44.4)/12/8/12/8,8 (Lami. 44.2) Acoustic	Argon	47	38
9,5 (Lami. 44.4)/18/4/15/8,8 (Lami. 44.2) Acoustic	Argon	48	35
8,8 (Lami. 44.2) Acoustic/12/6/12/12,8 (Lami. 66.2) Acoustic	Argon	48	36
12,8 (Lami. 66.2)/16/4/16/27,8 P8B	Argon	48	37
8,8 (Lami. 44.2) Acoustic/12/8/12/8,4 (Lami. 44.1) Acoustic	Argon	48	38
8,8 (Lami. 44.2) Acoustic/12/8/12/8,8 (Lami. 44.2) Acoustic	Argon	48	38
10,8 (Lami. 55.2) Acoustic/12/6/12/8,8 (Lami. 44.2) Acoustic	Argon	48	39
12,8 (Lami. 66.2)/16/4/18/23 P7B	Argon	48	39
13,5 (Lami. 66.4) Acoustic/14/4/12/11,5 (Lami. 55.4)	Argon	48	40
15,5 (Lami. 68.4) Acoustic/12/4/12/15 (Lami. 66.8) Acoustic	Argon	50	36
13,5 (Lami. 66.4) Acoustic/14/8/12/13,5 (Lami. 66.4) Acoustic	Argon	51	42
15,5 (Lami. 68.4) Acoustic/15/4/12/16,8 (Lami. 88.2) Acoustic	Argon	52	46



FABRICATED GLASS – INTRO



With Fabricated Glass we offer wide range of products undertaking miscellaneous hi-tech processes and sale in form of monolithic fabricated glass or then assembled and offer as Insulated Units with Fabricated Glass.

In order to guarantee the highest quality, all glass is processed with machinery from the most reputable manufacturers. Machinery includes LISEC and HEGLA glass cutting lines, LISEC processing and IGU assembly lines, GLASTON/TAMGLASS tempering and bending furnaces, BENTELE & HEGLA CNC

machining centers as well as TMB Heat Soaking furnaces.

Particularly advanced technological processes are carried out on our BENTELE production lines for laminated glass, SCHOLZ autoclave and BÜRKLE, TESOMA and DIPTech devices for the production

of printed enameled glass. We help our machine suppliers define the directions of development. We participate in testing and implementing new equipment and technologies. Through such equipment innovations we constantly expand and modernize our machinery.

FABRICATED GLASS – TEMPERED


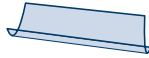
Glass thickness [mm]	Minimum dimensions ["]	Maximum dimensions ["]	
		uncoated glass	coated glass
4	4 x 10	66 x 98	59 x 98
5	4 x 10	126 x 275	90 x 149
6-19	4 x 10	126 x 275	



FABRICATED GLASS – THERMALLY STRENGTHENED

Glass thickness [mm]	Minimum dimensions ["]	Maximum dimensions ["]	
		uncoated glass	coated glass
4	8 x 18	66 x 98	59 x 98
5	8 x 18	126 x 275	90 x 149
6-12 (coated glass 6-10)	8 x 18	126 x 275	

FABRICATED GLASS – BENT TEMPERED

Type of bending	Glass thickness [mm]	Minimum dimensions ["]	Maximum dimensions ["]	Minimum bending radius ["]
LB 	5 float 6 - 10 float 12 - 15 float	8 x 20	141 x 86 165 x 94 165 x 94	99 ⁽¹⁾ 99 ⁽¹⁾ 158 ⁽¹⁾
CB 	6 - 8 float 10 float 12 - 15 float	40 x 40	94 ⁽²⁾ x 141(165 ⁽³⁾)	60 ⁽¹⁾ 119 ⁽¹⁾ 158 ⁽¹⁾

¹ depends on the size and shape, ² the bending edge, ³ at a increased bending radius

FABRICATED GLASS – HEAT SOAKING



The manufacturing process of float glass is done by the smelting of separate ingredients. Molten glass is poured out over a bath of liquid tin, and then formed to the required thickness in a floating process and then annealed where it cools down. There is a risk during this process that inclusions of nickel sulfide will occur.

This phenomenon causes an increase of internal stress in the tempered glass, which could finally lead to self-breaking. Even though this phenomenon occurs extremely rarely, one must allow for this possibility. It is suggested that the tempered glass is put under a pre-heating process, during which the glass panes which have

a nickel sulfide inclusion are identified and eliminated from the shipment.

PRESS GLASS offers the option of carrying out an extra glass check by means of the Heat Soaking method.

FABRICATED GLASS – LAMINATED

Max. packet thickness [mm]	100
Max. packet dimensions ["]	126 x 275
Min. packet dimensions ["]	10 x 20
Max. weight of laminated glass [lb]	4400





FABRICATED GLASS – DIGITAL PRINT

Six basic colors and a photo-quality print at 360 dpi resolution.

Glass thickness [mm]	Minimum dimensions ["]	Maximum dimensions ["]
3	8 x 20	51 x 98
4	4 x 10	66 x 98
5	4 x 10	78 x 118
6-19	4 x 10	126 x 275



FABRICATED GLASS – SILK-SCREEN PRINTING AND CERAMIC SPANDREL

Process type	Glass thickness [mm]	Minimum dimensions ["]	Maximum dimensions ["]
Ceramic Spandrel	3	8 x 20	51 x 98
	4		66 x 98
	5		78 x 118
	6-19		102 x 275
Silk screen	4	4 x 10	66 x 98
	5		78 x 118
	6-19		98 x 177



FABRICATED GLASS – GRINDING AND POLISHING OF EDGES

PROCESSING OF GLASS WITH RECTANGULAR SHAPES

Glass thickness [mm]	Minimum dimensions ["]	Maximum dimensions ["]
3 -19	4 x 8	126 x 275



FABRICATED GLASS – DRILLING AND CUTTING

Machining type	Glass thickness [mm]	Minimum dimensions ["]	Maximum dimensions ["]
Drilling or all shapes milling	3 - 19	6 x 16	126 x 275





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.

We kindly request you to minimize the negative effect of this leaflet on the environment by using it multiple times. Please recycle the used leaflet, using the waste sorting method. Thanks to that, the materials can be used again.

Paper has always been and will always be a vital aspect of project and marketing activities. The selection of paper produced in accordance with sustainable development and environmental protection (FSC certificates) and/or recycled paper is becoming a key issue.

Our plants and products are audited or certified by acknowledged certification bodies, including:



We make every effort to ensure that presented publication contained current information as of the date of print.

Due to continuous development of our product range may differ from market to market. Availability of product should always be confirmed with Sales Department.

