



**PRESSGLASS**

LEADING IN EUROPE

# GLAZED UNITS AND SOLAR CONTROL GLASS

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BASIC PRODUCTS

[www.pressglass.com](http://www.pressglass.com)

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. 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:



## GLAZED UNITS

A glazed unit consists of at least two panes of glass which create an internal cavity filled with air or other gas, separated and sealed around the perimeter using a multi-step combination process by means of a spacer bar, sealing compounds and water vapour adsorbents (desiccants).

Cavities can be used for installation of decorative dividers. Characteristics of glazed unit can be freely modified by using suitable types of components and coats as well as suitable number and width of cavities between glass panes.

Glazed units types:

- low emission
- acoustic
- solar control
- fire resistant
- safety and security
- bullet-proof
- decorative

At PRESS GLASS, we manufacture insulating glass units with maximum dimension 3200 mm x 7000 mm.

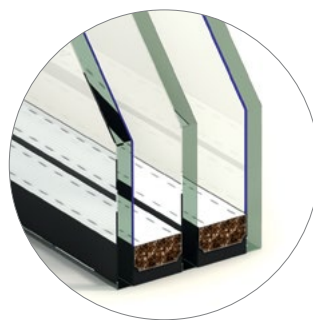
The smallest glazed units are available in dimension 180 mm x 350 mm.

Glazed units structure



Triple glass

Double glass



moisture inhibitor – molecular sieve

internal insulation with sealant – Butyl

external sealant – Tiokol or silicon

## SINGLE GLASS

Among all the types of glass offered there is also a need in various branches for single glazed glass. It is a product which is less processed than double glazed glass. PRESS GLASS offers single glazed glass that is cut to the required dimensions on the base monolithic glass of the following types: float glass, low-iron or tinted glass, reflective and hard-coated, while also chemically treated and laminated glazing units. Single glazed glass are offered without additional machining of edges.

## LOW EMISSION GLAZED UNITS

Structure [mm] T-thermofloat, Ar-argon, Kr-krypton	LT [%]	LR [%]	g [%]	U <sub>g</sub> EN673 [W/m <sup>2</sup> K]
4T 1,0/12Kr/4/12Kr/4T 1,0	58-73	18-32	37-50	0,4
4T 1,0/10Kr/4/10Kr/4T 1,0				0,5
4T 1,0/16Ar/4/16Ar/4T 1,0				0,5
4T 1,0/12Ar/4/14Ar/4T 1,0				0,6
4T 1,0/10Ar/4/12Ar/4T 1,0				0,7
4T 1,1/12Kr/4/12Kr/4T 1,1	73-75	14-17	52-55	0,5
4T 1,1/18Ar/4/18Ar/4T 1,1				0,5
4T 1,1/10Kr/4/10Kr/4T 1,1				0,6
4T 1,1/16Ar/4/16Ar/4T 1,1				0,6
4T 1,1/14Ar/4/14Ar/4T 1,1				0,6
4T 1,1/12Ar/4/12Ar/4T 1,1				0,7
4T 1,1/10Ar/4/10Ar/4T 1,1				0,8
4/16Ar/4T 1,0	71-81	14-22	50-61	1,0
4/10-15Kr/4T 1,0				1,0
4/10Kr/4T 1,1	81-82	12-13	63-66	1,0
4/15-20Ar/4T 1,1				1,1



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## GLAZED UNITS WITH WARM EDGE

Ψ for common glass unit  
U<sub>g</sub>=0,7 4T 1,1/12 Ar/4/ 12 Ar/4T 1,1 based on Ift-Guideline WA-17/1



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Spacer bar type	Ψ		
	Window frame		
	Aluminium	PVC	Wood
Chromatech	0,066	0,050	0,054
Termo - TGI	0,044	0,038	0,039
Chromatech ultra	0,043	0,037	0,038
MULTITECH	0,030	0,030	0,028

## SELECTED SOLAR CONTROL GLASS

Tradename of product with solar control layer	U <sub>g</sub> Argon [W/m <sup>2</sup> K]	LT [%]	g [%]
SELECTIVE 70			
Silverstar Combi Neutral 70/40	1,1	72	42
Silverstar Combi Neutral 70/35	1,0	70	37
SunGuard SN 70/41	1,1	69	41
SunGuard HS SN 70/37	1,0	69	37
SunGuard SN 70/35	1,0	69	35
SunGuard SN 70/37	1,0	69	38
Cool-Lite SKN 176	1,0	70	37
SELECTIVE 60			
Silverstar Combi Neutral 61/32	1,0	61	34
SunGuard SN 63	1,0	63	33
SunGuard HS SNX 60/28	1,0	59	28
Cool-Lite SKN 165	1,0	61	34



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Tradename of product with solar control layer	U <sub>g</sub> Argon [W/m <sup>2</sup> K]	LT [%]	g [%]
SELECTIVE 50			
SunGuard SN 51	1,0	51	27
Cool-Lite SKN 154	1,0	52	28
SELECTIVE 40			
SunGuard HS SN 40/23	1,0	39	23
Stopray Silver 43/25	1,0	43	27
Suncool 40/22	1,1	39	23

Calculations for the structure: 6 – 16 Ar – 4

All offered trademarks: Antisol, Cool-Lite, Combi Neutral, Stopray, Stopsol, Suncool, Sunergy, Sunguard, Sunstop



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