

Standard Size Limits of IGUs, delivered by Pilkington IGP

Pilkington IGP Sp. z o.o., for the sake of customer satisfaction and for minimize the risks which may arise from not proper fitting size and structure of insulating glass to the most common wind loads, presents the following recommendations in this regard.

Communicated below maximum, recommended Sizes Limits of IGU should not be deemed as a maximum sizes of IGU available in Pilkington IGP.

Recommended Sizes Limits should be understand as the warning thresholds, in the case of their exceeding, it is advisable to analyze the construction of insulating glass unit for adaptation to existing loads and environmental conditions.

Glass thickness /mm/	Spacer bar /mm/	Maximum length of IGU /mm/	Maximum width of IGU /mm/	Maximum area of IGU /m ² /	Maximum side of square /mm/
3	6 - 16	1500	1270	1,60	1270
4	6	2420	1300	2,86	1300
	8-10	2440	1300	3,17	1300
	12-20	2440	1300	3,17	1300
5	6	3000	1750	4,00	1750
	8-10	3000	1750	4,80	2100
	12-20	3000	1815	5,10	2100
6	6	3500	1980	5,88	2000
	8-10	3500	2280	7,98	2440
	12-20	3500	2440	8,54	2440
8, 10	6	3500	2000	7,00	2440
	8-10	3500	2500	8,75	2700
	12-20	3500	2500	8,75	2700
12	12-20	3500	2700	9,45	2700

Comments:

1. The above Standard Sizes Limits refers to translucent IGUs, installed vertically, in places where there are no increased burden on the wind.
2. The limits do not take into account the impact of heat-reflecting coating on the rise the temperature inside the glass and the effect of changes in air pressure resulting from an installation in mountain areas
3. The Limits do not include specific customers requirements regarding safety, wind loads, etc.
4. If IGU structure is with various glass thicknesses, the maximum surface area is determined in respect of the thinner glass

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5. To determine the maximum dimensions of the laminated glass, thickness of laminated glass should be multiplied by a coefficient of 0.63. This means that the type of glass 33.1 is equivalent to 4 mm float, 44.1 - 44.4 corresponds to the glass 6 mm float.
6. These Limits do not apply to hardened glass
7. In the case of glass thicker as in table above, dimensional limits are linked to the technical capabilities of the IGU manufacturing lines.
8. Cases of IGUs with a size exceeding the Limits should be consulted with technical advisors.

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