



Polypane Specifications



Generally applicable description

During implementation, the glass thickness must always be adapted to the glass surface and to the wind pressure that applies to the building. This glass thickness is determined on the basis of the NBN S 23-002-2 standard. Changing the glass thickness, cavity width and/or the cavity filling (air or gas) can lead to changes in the stated values. Spectrophotometric values according to EN 410, Ug value according to EN 673.

Note: All values given are subject to slight variations due to manufacturing tolerances and are applicable for vertically installed glazing. More information can be obtained on request.

Additional features

When using laminated safety glass, state the type of laminated glass you wish to use. The type 44.2, for example, consists of two panes of 4 mm clear glass between which 2 safety films of 0.38 mm each are applied.

When using Polypane Decora cross divisions, it is customary to add sketches indicating how these divisions should be carried out.

Not to lose sight of...

The use of larger glass areas gives a feeling of freedom, creates spaciousness in the home and allows a lot of light and free solar heat to enter.

The glass types Polyplus Super Neutral HR-P, Polyplus Super HR-1 Plus and Polyplus Ultra HR-P enable you to enjoy excellent thermal comfort, whereby the known cold zones near the windows disappear. In addition, you save on fuel every year and thus contribute to the protection of our environment.

For the south facades, it is best to consider our solar control glazing. Choosing this product will protect you in the summer against too rapid heating of the living space.

When selecting your glass products, be sure to consider the possibilities offered by sound-insulating product compositions Polypane Isophon. Without major investments or technically difficult compositions, you can reduce noise pollution to an acceptable level.

All types of Isophon can also be carried out as heat-reflecting and/or solar-controlling insulating glazing.

Always consider the use of laminated safety glass. You will find that an investment in this product is worth it in relation to the possibilities of burglar resistance, protection against personal injury and additional acoustic comfort.

Specification descriptions of base products	Outer pane	Cavity	Inner pane	U _g -value
Polyplus Super Neutral HR-P is a warmth reflective insulating glass, composed out of a clear outer pane, provided with a neutral coating applied using magnetic sputtering vacuum deposition technology, and a clear inner pane.	Clear glass, thickness ... mm	Argon, width 15 mm	Warmth reflective glass, dikte ... mm	1.1 W/(m ² K)
Polyplus Super HR-1 Plus is a warmth reflective insulating glass, composed out of a clear outer pane, provided with a neutral coating applied using magnetic sputtering vacuum deposition technology, and a clear inner pane.	Clear glass, thickness ... mm	Argon, width 15 mm	Warmth reflective glass, thickness ... mm	1.0 W/(m ² K)
Polyplus Ultra HR-P is a high-performance glass that consists of three glass sheets, two spacers and gas-filled cavities. Both on the outer and the inner glass sheet on the cavity side transparent metal layers with low emissivity applied.	Warmth reflective glass, thickness ... mm	Argon, width: 2x 15 mm Middle pane: clear glass	Warmth reflective glass, thickness ... mm	0.6 W/(m ² K)
Polyplus All Seasons is a solar-controlling insulating high-efficiency glazing, composed of a clear outer glass with a selective metal layer, and a clear inner glass.	Solar-controlling glass, thickness ... mm	Argon, width 15 mm	Clear glass, thickness ... mm	1.0 W/(m ² K)
Polycool Riviera is a solar-controlling insulating glass, composed of a clear outer glass provided with a sun-reflecting metal layer and a clear inner glass.	Solar-controlling glass, thickness ... mm	Argon, width 15 mm	Clear glass, thickness ... mm	1.0 W/(m ² K)
Polycool Optilite is a solar-controlling insulating glass, composed of a clear outer glass provided with a sun-reflecting metal layer and a clear inner glass.	Solar-controlling glass, thickness ... mm	Argon, width 15 mm	Clear glass, thickness ... mm	1.0 W/(m ² K)
Skypane is a solar-controlling insulating glass, composed of a clear outer glass provided with a sun-reflecting metal layer and a clear layered inner glass.	Solar-controlling glass, thickness ... mm	Argon, width 15 mm	Clear layered glass, type ...	1.0 W/(m ² K)
Polypane Decora is an insulating glass composed of two glass sheets with built-in cross divisions.	Clear glass, thickness ... mm	Built-in cross divisions Air or Argon, width 15 mm	Klaar glass, thickness ... mm	...
Polypane Isophon is an acoustic insulating glass with increased sound-insulating properties.	Clear glass, thickness ... mm	Argon, width 15 mm	Clear glass, thickness ... mm or layered glass type