

Radiation shielding glass

Radiation protection glass contains lead oxide, which ensures reliable protection against ionizing radiation. The degree of shielding of a protective glass is expressed with the so-called lead equivalent. This value indicates the shielding effect in relation to lead: A glass with a lead equivalent of 1.5 mm has the same shielding effect as a lead foil with a thickness of 1.5 mm.

The radiation protection glasses made of acrylic (so-called KYOWA glass) are characterized by high resistance against breakage and can be processed in a variety of ways with conventional tools (including thermoforming). In addition, impurities and scratches can be easily removed.

- content of lead oxide: 30%
- high light transmission
- high breaking strength
- can be worked in a variety of ways using standard tools
- thermoformable
- simple, retroactive fitting of glove boxes, working tents, etc. is possible.
- max. Plate size: 2440 x 1830 mm

Within this size are possible:

- practically all geometric shapes,
- edge and miter cuts,
- holes and recesses, etc.

Please tell us your requirements.



Lead-Acryl Radiation Protection Glass (KYOWA):

Item no.	Description / Thickness	Lead equivalent	Weight	max. Plate size
	Protection glass 7.0 mm +/-0.7	0.3 mm Pb	11.2 kg/m ²	2440 x 1830 mm
	Protection glass 12.0 mm +/-1.0	0.5 mm Pb	19.0 kg/m ²	2440 x 1830 mm
	Protection glass 18.0 mm +/-1.0	0.8 mm Pb	28.8 kg/m ²	2440 x 1830 mm
	Protection glass 23.0 mm +/-1.5	1.0 mm Pb	37.6 kg/m ²	2440 x 1830 mm
	Protection glass 35.0 mm +/-1.5	1.5 mm Pb	56.0 kg/m ²	2440 x 1830 mm
	Protection glass 46.0 mm +/-2.0	2.0 mm Pb	73.6 kg/m ²	2440 x 1830 mm
	Protection glass 70.0 mm +/-3.0	3.0 mm Pb	112.0 kg/m ²	2440 x 1200 mm