

# SUPERCONTRYX X-RAY PROTECTION GLASS

PROTECT - EDITION 8



# SUPERCONTRYX

## X-RAY PROTECTION GLASS

### The reference glass for x-ray protection

#### Description

- SUPERCONTRYX is a single sheet of glass comprised of up to 70% heavy elements. Lead oxide makes up at least 48% of this part.
- Its density is at least 4.8, that is, nearly twice the density of standard glass, such as PLANILUX.
- SUPERCONTRYX is used to protect any person potentially exposed to ionizing x-rays.
- It significantly reduces this type of radiation exposure.

#### Applications

SUPERCONTRYX is used in x-ray rooms, operating theaters and laboratories by public and private hospitals, clinics, dentists' offices, veterinary practices and radiology departments; and in industry, e.g., medical equipment manufacturers, etc., and research centers.

Its most frequent applications include:

- glazed interior partitions;
- screens;
- doors;
- windows;
- industrial equipment.



### Advantages

#### Expertise, technology and production from a French company

Saint-Gobain has been recognized for its glassmaking expertise and quality for more than three centuries.

GLASSOLUTIONS has been setting the benchmark for 50 years, delivering radiation-protection solutions to the nuclear industry's leading names (Areva, British Energy, etc.).

#### Advice and assistance

GLASSOLUTIONS has a large network of around 60 sites across France. It provides consulting services and assistance to customers for all their radiation protection projects.

#### Responsiveness

- A rapid response to quotation requests;
- 3 to 5 week delivery times, the shortest on the market.

#### A range to suit all types of projects

- 4 standard levels of radiation protection;
- finishing on request: seamed edges (default), flatground or flat polished edges possible;
- may be assembled as insulating or laminated glazing.



### Range

The range includes four products:

	Thickness (mm)	Min. lead eq. 110 kV	Min. lead eq. 150 kV	Min. lead eq. 200 kV	Max. dimensions (mm)	Max. weight (kg/m <sup>2</sup> )
<b>2 Pb</b>	7 to 8,5	2,3	2	1,8	2390 x 1180	41
<b>2,5 Pb</b>	8,5 to 10	2,8	2,5	2,1	1950 x 970	48
<b>3 Pb</b>	11 to 13	3,5	3	2,7	2390 x 1180	62
<b>4 Pb</b>	14 to 16	4,7	4	3,5	1950 x 970	77

### Additional range

Higher lead equivalences may be achieved by laminating SUPERCONTRYX. E.g., a lead equivalence of 8 mm at 150 kV is achieved by laminating two sheets of SUPERCONTRYX 4 Pb.

### Standard finish

Seamed edges, i.e., rough cut edges with all sharp edges polished. On request, SUPERCONTRYX can also be supplied fl at ground or fl at polished.

### Options

- SUPERCONTRYX can be laminated to produce safety glass.
- SUPERCONTRYX can also be assembled to produce insulating glass.

Please contact **GLASSOLUTIONS** for any specific requests.

### Regulations

Please refer to local (country) regulations.

**NB:** 2-mm lead equivalent X-ray protection glass means that the glass offers the same level of protection as a sheet of lead 2-mm thick.





## Installation

### Installation guidelines

- SUPERCONTRYX significantly reduces x-rays. The design of the rabbet and the glazing strip must ensure seamless radiological protection;
- SUPERCONTRYX should only be used inside buildings in a dry and heated atmosphere. If used on the exterior, it must be laminated with the SUPERCONTRYX sheet facing the interior;
- the weight of the glass should be taken into account for its installation, as it is approximately twice that of standard glass of the same thickness.

### Handling precautions

- SUPERCONTRYX is a soft glass and must be handled with care;
- use a clean, soft cloth and a conventional glass cleaner, if required, to clean the glass.
- Avoid splashing water and detergents;
- SUPERCONTRYX must be stored in a dry, heated area (between 7°C and 40°C).



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