

**CORNING**

**SUPERCONTRYX<sup>®</sup> GLASS**

X-ray protection glass



CORNING

# Corning® SUPERCONTRYX® Glass



## The reference glass for x-ray protection

### Description

Corning® SUPERCONTRYX® Glass 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® Glass is used to protect any person potentially exposed to ionizing x-rays.

It significantly reduces this type of radiation exposure.

### Applications

Corning® SUPERCONTRYX® Glass 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

Corning has been recognized for its glassmaking expertise and quality for more than 170 years.

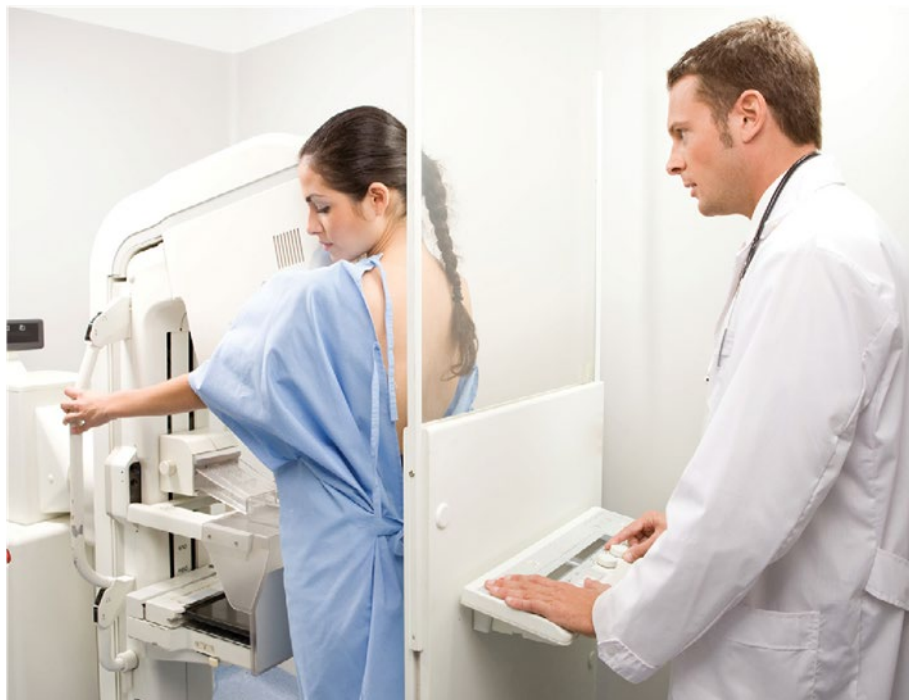
Corning SOVIS facility has been setting the benchmark for 50 years, delivering radiation-protection solutions to the nuclear industry's leading names (Areva, British Energy, etc.).

#### Advice and assistance

Our experts provide consulting services and assistance to customers for all their radiation protection projects.

#### Reactivity

- A swift response to quotation requests
- 3 to 5 weeks delivery times, the shortest on the market.



# Corning® SUPERCONTRYX® Glass

## Range

The range includes five products:

SUPERCONTRYX® Range	Thickness (mm)	Min. lead eq. 110 kV	Min. lead eq. 150 kV	Eq pb min Min. lead eq. 200 kV	Max dimensions (mm)	Max. weight (kg/m <sup>2</sup> )
2 Pb	7 to 8.5	2.3	2	1.8	2 400 x 1 200	41
2.5 Pb	8.5 to 10	2.8	2.5	2.1	2 010 x 1000	48
3 Pb	11 to 13	3.5	3	2.7	2 400 x 1 200	62
4 Pb	14 to 16	4.7	4	3.5	2 010 x 1000	77
5 PB	17.5 to 19	5.7	5	4.3	2 010 x 1000	92

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

## Additional range

Higher lead equivalences may be achieved by laminating Corning® SUPERCONTRYX® Glass.

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

## Standard finishing

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

## Options

Corning® SUPERCONTRYX® Glass can be laminated to produce safety glass.

Corning® SUPERCONTRYX® Glass can also be assembled to produce insulating glass.

Please contact Corning for any specific requests.

## Reglementation

Please refer to local (country) regulations.





# Corning® SUPERCONTRYX® Glass

## Installation

### Installation guidelines

- Corning® SUPERCONTRYX® Glass significantly reduces x-rays. The design of the rabbit and the glazing strip must ensure the radiological Protection continuity.
- Corning® SUPERCONTRYX® Glass should only be used inside buildings in a dry and heated atmosphere. If used on the exterior, it must be laminated or assembled in a double-glazing unit with the Corning® SUPERCONTRYX® Glass 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

- Corning® SUPERCONTRYX® Glass 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.
- Corning® SUPERCONTRYX® Glass must be stored in a dry, heated area (between 7°C and 40°C).

