



LEAD X-RAY RADIATION SHIELDING

WHY BUY FROM GLASSOPOLIS?

At Glassopolis, our job is to help glass contractors win specialty glass projects. We've been distributing Lead X-Ray Protection / Radiation Shielding glass for more than 20 years. We'll help you get the right glass for the job.

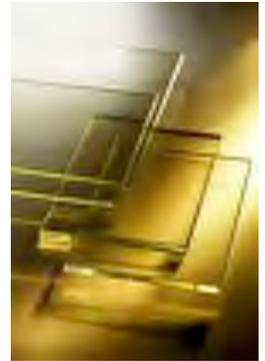
You can trust Glassopolis for expert advice, timely and reliable quotations including freight to your doorstep, flexible credit options, and industry-leading turnaround of product. We maintain a significant inventory of the most common types of Lead X-Ray glass for immediate delivery. We will get you what you need and help you grow your glass contracting business.

PRODUCT DESCRIPTION

Lead X-Ray Radiation Shielding protective glass is used in many hospital, security, and medical applications. This glass contains lead oxide, which absorbs X-Rays.

For architectural applications it is generally specified by its 'lead equivalency', which is the degree to which it shields against radiation as measured as the thickness of the equivalent protection from solid lead in inches or mm.

Lead X-Ray glass is typically ordered in cut-to-size pieces by glass contractors.



GENERAL CHARACTERISTICS

Lead X-Ray Radiation Shielding protective glass is available from Glassopolis in various sizes, thicknesses, and lead densities. It is available as a laminated glass for impact safety applications, and as an insulated glass unit for thermal applications. Certain densities of Lead X-Ray glass can also be thermally toughened as a safety glass.

We have glass with lead equivalency ranging from 0.5 mm of lead to 6.0 mm of lead. The most common applications are:

<u>Lead (Pb) Equivalency in inches (mm)</u>	<u>Typical Glass Thickness inch (mm)</u>	<u>Typical Application</u>
1/16" (2.0 mm)	5/16" (8mm)	Most X-Ray applications
3/32" (2.7 mm)	7/16" (11 mm)	Cancer treatment facilities
1/8" (3.2 mm)	9/16" (14 mm)	Where more protection is required

- Thickness: depends on lead equivalency required (see table)
- Weight: depends on density selected, e.g.12 lbs/ft² for 11 mm thick
- Sheet size: up to 52" x 102"

Call us with the requirements for your project and we will supply you with the exact product you need.

WE PUT COMMERCIAL GLASS CONTRACTORS FIRST

FAST QUOTES. PROMPT DELIVERY. EXPERT SERVICE. FLEXIBLE PAYMENT TERMS.



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GLASSOPOLIS
SPECIALTY GLASS

APPLICATIONS

Typical applications for Lead X-Ray Radiation Shielding includes medical facilities, laboratories, airports and security screening.

STORAGE & HANDLING

Radiation shielding glass should not be exposed to humidity or temperature fluctuations or acid gases. Keep dry.

Lead glass is denser than most glass. Lead glass can be cut by an experienced glazier, but special safety precautions are required. Generally Glassopolis sells lead x-ray glass already cut-to-size.

INSTALLATION

Care must be taken without fail to ensure that the radiation protection on the wall side and the radiation shielding glass overlap to ensure total and complete protection against radiation. There should be no gaps without radiation protection, i.e. radiation shielding materials should not be butted up to each other "edge to edge". The radiation shielding materials must always overlap.

Glassopolis can supply radiation protection frames to match the Lead X-Ray glass. Call us for details and a quote.

Some Lead X-Ray glass is shipped with a protective film. Remove the protective film only just before installing it. Do not use any sharp objects to remove.

When installing, care should be taken that the sealing agents do not contain any acid or alkaline substances (e.g. acetic acid, ammonia). Labels may cause staining on the glass surface by the reaction of the adhesive. When masking tape is used in caulking, remove it immediately after caulking and wipe off any traces with alcohol.

MAINTENANCE & CARE

In view of the lead oxide content the surfaces of Lead X-Ray Radiation Shielding are susceptible to scratches and attack by acids and alkalis. Use only water, non-abrasive cleaning agents and soft cloth. Always dry completely. Do not allow water to dry on the surface of the glass. If the glass becomes dirty polish the surface with a dry clean cloth with alcohol. Immediately remove all traces of alcohol with a new dry and clean cloth. Always refer to the manufacturer for detailed cleaning procedures.

Lead X-Ray glass can be disinfected by commercially available disinfectants approved by the manufacturer. A disinfection by UV exposure (solarization) is also possible. Immediately wipe off water in case the glass becomes wet.



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