



Radiation Products Design, Inc.

X-RAY LEAD GLASS PHYSICAL CHARACTERISTICS AND MAINTENANCE/ HANDLING/ STORAGE PROCEDURES

Inspection of Acceptable Characteristics

Radiation Protective X-ray lead glass is a high quality specialty glass with a soft surface and fragile "non-structural" characteristic. It has a slightly imperfect surface by nature with hairline scratches as an inherent trait of radiation protective X-ray lead glass in the manufacturing process.

X-ray lead glass has a natural yellow hue due to its heavy lead oxide content, which provides excellent gamma/ photon radiation shielding resistance. Radiation shielding value is directly related to thickness and density of lead glass.

PLEASE NOTE THAT LEAD GLASS IS NOT TEMPERED OR FIRE-RATED.

Handling

- Take care to never bump or rub lead glass against another surface. It is extremely fragile and may easily break, chip, or scratch.
- Lead glass is very soft and porous and can readily absorb chemicals that will tarnish or stain it.
- Wipe off fingerprints and smudges immediately with Windex® and wipe dry with a soft clean dry cloth.
Perspiration, oil, fatty acids, and grease from fingerprints left on the glass will cause permanent marks and tarnishing.
- Never apply tape (i.e. duct, masking, electrical, etc.) to x-ray lead glass as adhesive backing may cause staining.
- Avoid using sealant or caulking that contains acid or alkaline agents.
- Never use knives, razor blades or other sharp objects to scrape or clean the x-ray lead glass.
- Lead glass is extremely fragile and scratches easily, so it must be handled with great care.

Cleaning

- Wipe lightly with a soft clean dry cloth.
- Smudges or dirt not removed by wiping with dry cloth can be cleaned with distilled water, Windex®, alcohol, or special cleaners, but must be immediately wiped dry with a soft clean dry cloth.
- Never use abrasive cleaning agents, acids, alkalis, or solvents.

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