

LX Premium X-Ray Shielding Glass

LX Premium X-Ray Shielding Lead Glass is the next generation of radiation shielding glass with excellent impact resistance. It offers unparalleled radiation protection and superb visual clarity. Conventional lead glass products have had problems with staining and discoloration when moisture adheres to the glass surface. This can happen when glass surfaces are touched by bare hands (transferring sweat and lipids) or when glass is wiped with a wet cloth. LX Premium has a multilayer structure, created by inserting LX-57B high-lead glass between two panels of protective sheet glass. The result is a glass surface that will not stain or discolor even when chemicals splash on it or it is wiped with a wet cloth.

LX Premium is high quality optical grade, lead barium type, X-Ray Shielding Lead Glass that consists of over 60% heavy metal oxide that includes a minimum of 55% PbO. LX Premium comes in three thicknesses: LX12 Premium (1/2" / 12 mm) is used in most X-Ray radiation applications. LX14 Premium (9/16" / 14 mm) and LX20 Premium (3/4" / 20 mm) are used when greater protection is required, for example, in cancer/fluoroscopic treatment facilities.



FEATURES

- High quality optical grade lead barium type X-Ray Shielding Lead Glass
- Contains over 60% heavy metal oxide, including at least 55% PbO
- High transparency - glass surface will not stain or discolor when lead substances react to moisture or lipids
- Multilayer laminated glass is resistant to breakage from impact
- Laminated for impact safety resistance
- Excellent maintainability - glass can be cleaned using such items as a wet cloth, glass cleaners, and detergents without any concern about staining or discoloration
- Ideal for use in medical facilities, laboratories, observation windows, airports, and screens for radiation

STATISTICS

	LX12 PREMIUM	LX14 PREMIUM	LX20 PREMIUM
THICKNESS	1/2" (12 mm)	9/16" (14 mm)	3/4" (20 mm)
THICKNESS TOLERANCE	7/16" - 1/2" (11.2 mm - 13.2 mm)	1/2" - 5/8" (13.0 mm - 15.0 mm)	3/4" - 7/8" (18.9 mm - 21.3 mm)
LEAD EQUIV. MMPB	1.60	2.0	3.0
MINIMUM DENSITY			
LX	2.52 oz / in ³ (4.36 gm / cm ³)	2.52 oz / in ³ (4.36 gm / cm ³)	2.52 oz / in ³ (4.36 gm / cm ³)
PROTECTIVE SHEET GLASS	1.56 oz / in ³ (2.74 gm / cm ³)	1.56 oz / in ³ (2.74 gm / cm ³)	1.56 oz / in ³ (2.74 gm / cm ³)
WEIGHT	8.81 lb / ft ² (43 kg / gm ²)	10.45 lb / ft ² (51 kg / gm ²)	15.57 lb / ft ² (76 kg / gm ²)
X-RAY PEAK VOLTAGE (KV)	150	150	200
MAX. AVAILABLE SIZE	48" x 96" (1,220 mm x 2,440 mm)	48" x 96" (1,220 mm x 2,440 mm)	48" x 96" (1,220 mm x 2,440 mm)

AVAILABILITY

Technical Glass Products only supplies LX Premium and X-Ray Shielding Lead Glass west of the Mississippi River. Due to the specialized nature of LX Premium, all glass must be cut to finished size at the factory. Please contact TGP regarding lead-time for your project.