Corning® Med-X® Glass
Radiation Shielding Glass for medical, technical and research applications.

Corning is a world leader in Radiation Shielding Glass offering some of the largest glass sizes available. Corning® Med-X® Glass is supplied as polished plates with dimensions up to 2800 x 1400 mm and is available worldwide with quick delivery times.

Key benefits
- Shields against X-Rays from equipment operating in the 80 to 300 kV range.
- High Barium and lead content providing optimum protection with excellent visual clarity.
- Supplied as polished plates cut to customer requirements up to 2800 x 1400 mm, allowing architects to design viewing windows with a wider field of vision.
- Also available in sizes cut specifically to customer requirements (with cut edges ground or polished and finished with safety chamfers).
- Extensive stocks held in all plate sizes and thicknesses at distribution points worldwide, for immediate cutting and despatch.

Applications
- Viewing windows for X-Ray, Angiography Rooms, CT Scans.
- Screens for medical diagnostics.
- Protection windows in laboratories.
- Airport security X-ray screens.
- Lenses for safety goggles.
Optical Properties

Refractive Index $n_d$ 1.76
Transmission % @ 550 nm through 5 mm path $\geq 85.0$

Mechanical Properties

Lead (Pb) 52%
Barium (Ba) 17%

Density (g/cm$^3$) 4.8
Knoop Hardness (kg/mm$^2$) 409
Young’s Modulus (GPa) 62.6
Torsion Modulus (GPa) 24.8
Poisson’s Ratio 0.26
Coefficient of Thermal Expansion ($\times 10^{-7} / ^\circ C$) 78.8


Suitable for laminating using PVB interlayers, and can be fitted into sealed double-glazed units.

Physical Properties

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