



PROTECH LEADED EYEWEAR INC,
DBA PROTECH MEDICAL

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PRODUCT SPECIFICATIONS

FULL MOBILE ACRYLIC BARRIER

1. PRODUCT DETAILS

DESCRIPTION: **Model:** MB-FULL
Dimensions (overall): 72" H x 28" W x 24" D
Dimensions (window): 55" H x 28" W
Key Components: Acrylic, Lead Oxide (PbO), Aluminum
Lead Equivalence (acrylic): 0.50mm LE @150kV Narrow Beam Geometry
Lead Equivalence (base): 0.50mm LE @150kV Narrow Beam Geometry
Acrylic Thickness: 13mm (+/-1mm)

COMPLIANCE: **EN 61331-1:2014: (EU)** Protective devices against Diagnostic Medical X-ray radiation. (Determination of attenuation properties of material)
ASTM 2547-18: (USA) Standard test method for determining the attenuation properties in a primary x-ray beam of materials used against radiation.

INTENDED USE: Lead-lined acrylic incorporates lead oxide and other heavy metals with the purpose of providing effective protection against radiation by absorbing the energy emitted by the radiation source. The primary function of lead barriers is to safeguard x-ray technicians, bystanders, and researchers working in medical facilities. It acts as a protective shield against gamma and x-ray radiation in a range of medical imaging procedures, including general x-ray rooms, PET scanners, CT scanners, and panoramic x-rays.

The clear, leaded acrylic barrier can provide total-body x-ray shielding during extended procedures. Our full mobile acrylic barrier provides 0.50mm LE protection while resting on an opaque, aluminum lower panel with a protection of 0.50mm LE. Smooth-rolling, lockable casters give the barrier great mobility. The lead barrier is shipped unassembled but can be easily assembled using a screwdriver and wrench. Shipping weight is approximately 400 lbs. Full mobile glass barrier also available.

