LEAD LINED WINDOWS

CATEGORY INFORMATION

PHILLIPS-SAFETY.COM

COPYRIGHT ©2026. ALL RIGHTS RESERVED

PHILLIPS SAFETY
PRODUCTS INC.

ABOUT US



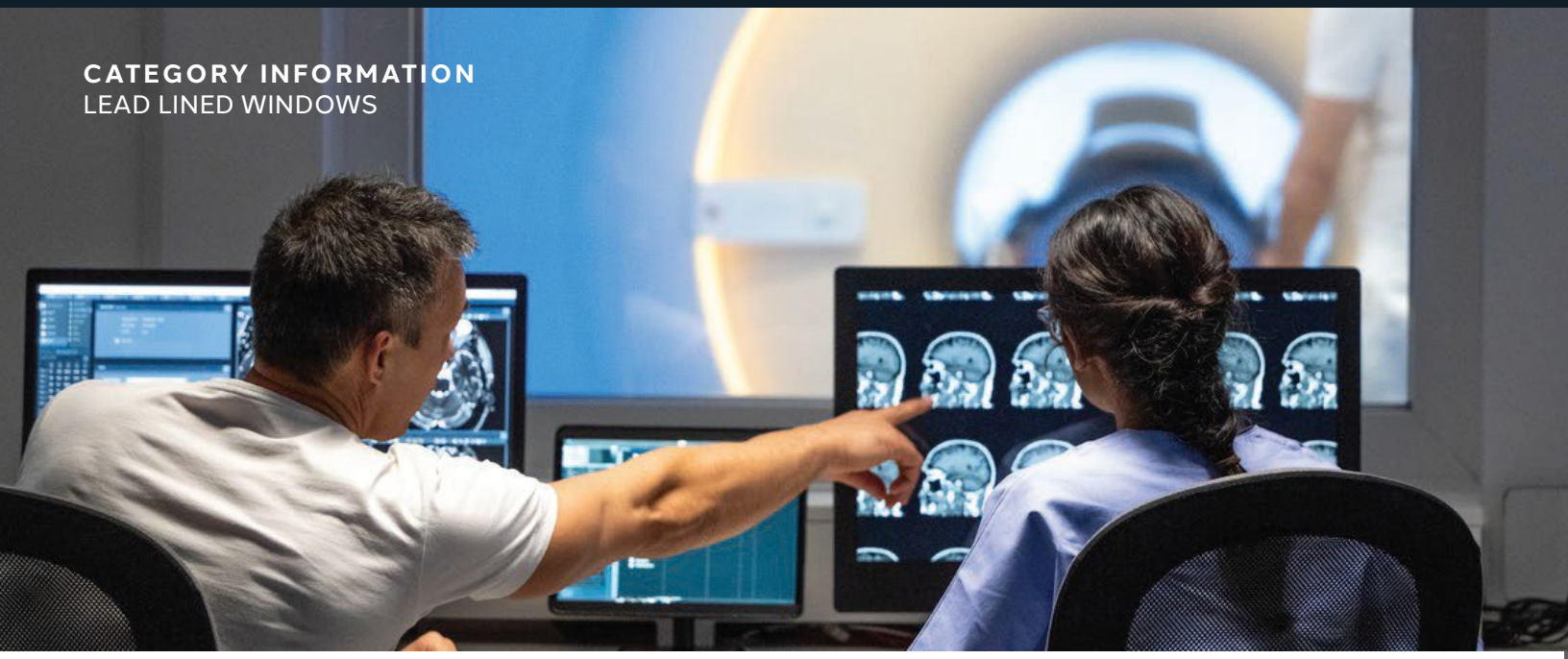
Phillips Safety is a recognized leader in radiation protection, designing and manufacturing high-quality radiation safety products and specialized PPE. Family-owned and operated for over 100 years, we are known for precision manufacturing, technical expertise, and an unwavering commitment to protecting professionals working in high-risk environments.

Our leadership in radiation safety began with protective eyewear and has expanded to a comprehensive portfolio of radiation apparel, barriers, shielding drapes, and custom solutions used in medical, industrial, research, and veterinary settings. Today, Phillips Safety products are trusted in fluoroscopy suites, cath labs, operating rooms, radiology departments, and interventional environments worldwide.

At the core of our radiation apparel is Axion Core™ technology—advanced lead-free and low-lead composite materials engineered to provide dependable radiation attenuation with reduced weight and improved comfort. Available in Axion Core 1000, 2000, and 3000, these core options are designed to balance protection, durability, and ergonomics to meet the needs of a wide range of users.

All Phillips Safety products are manufactured to meet applicable safety and regulatory standards, including Regulation (EU) 2016/425, and are tested in accordance with EN 61331 standards. Through vertical integration and in-house expertise, Phillips Safety continues to deliver reliable, innovative radiation protection solutions professionals can trust.

CATEGORY INFORMATION
LEAD LINED WINDOWS



Shop lead lined windows, lead lined glass, and radiation shielding glass from Phillips Safety for medical, dental, veterinary, laboratory, research, and industrial radiation shielding applications. Our collection includes stock and custom radiation shielding glass, lead lined window frames, and complete lead lined window solutions for installations requiring X-ray protection while maintaining a clear viewing area.

Radiation Shielding Glass

Phillips Safety offers radiation shielding glass designed for applications where visibility must be maintained through a radiation-protective barrier. These products are suitable for X-ray rooms, diagnostic imaging facilities, laboratories, industrial X-ray environments, and other radiation-controlled areas.

Our Radiation Shielding Glass is 8 mm thick (±1 mm) and provides 2.0 mm Pb lead equivalency. It is available in multiple standard sizes for facilities requiring a ready-to-order lead glass solution.

For installations with different dimensional requirements, Custom Radiation Shielding Glass is available to accommodate project-specific sizes and specifications.

Lead Lined Windows and Frames

In addition to radiation shielding glass, Phillips Safety offers lead lined window frames and complete lead lined windows for radiation shielding installations.

These solutions combine radiation shielding glass with lead lined frames to create a protected viewing area between rooms while maintaining visibility for medical professionals, technicians, and other personnel.

Available in standard and custom configurations, our lead lined windows accommodate different installation requirements.

Explore our lead lined windows and radiation shielding glass products to compare available sizes, lead equivalencies, window options, and custom configurations. For help selecting a product for your application, contact Phillips Safety for assistance.

LEAD LINED WINDOWS

+1 866 575 1307 | SERVICE@PHILLIPS-SAFETY.COM

PHILLIPS-SAFETY.COM

PRODUCT INFORMATION

X-RAY LEADED WINDOW

LLW-1210-1/16 | LLW-1212-1/16 | LLW-1218-1/16 | LLW-2424-1/16 | LLW-3048-1/16



The Lead Lined Window provides a complete solution for radiation shielding window installations. It combines a durable lead-lined steel frame with radiation shielding glass. Together, they help provide radiation protection while maintaining clear visibility between rooms.

The Lead Lined Window is available in five standard sizes:
12” × 10”, 12” × 12”, 12” × 18”, 24” × 24”, and 30” × 48”.

The frame is crafted from high-quality 16 gauge cold-rolled steel and complies with ASTM A 366 standards. Its two-piece telescoping jamb/throat design adjusts from 4-1/8” to 6-1/8” to accommodate different installation requirements. The frame also features a 2” face profile with a 1/2” return and 1/16” lead lining for effective radiation shielding.

The included radiation shielding glass measures 8 mm thick (±1 mm) and provides 2.0 mm Pb lead equivalency, the industry-standard level offered by Phillips Safety. This protective glass helps reduce radiation exposure while providing a clear viewing area for visibility between shielded spaces.

A gray primer powder finish helps protect the frame against corrosion and wear. With both the lead-lined frame and radiation shielding glass included, the window provides a convenient, complete assembly for radiation shielding applications.

SPECIFICATIONS

FRAME LEAD LINING: 1/16”

FRAME MATERIAL: 16 Gauge Cold-Rolled Steel

FRAME TYPE: Two-Piece Telescoping

GLASS THICKNESS: 8 mm (±1 mm)

GLASS LEAD EQUIVALENCY: 2.0 mm Pb

STANDARD COMPLIANCE: ASTM A 366

PRODUCT INFORMATION
LEAD LINED WINDOW FRAME

LLW-FRAME-1210-1/16 | LLW-FRAME-1212-1/16 | LLW-FRAME-1218-1/16 | LLW-FRAME-2424-1/16 | LLW-FRAME-3048-1/16



The Lead Lined Window Frame provides reliable radiation shielding while seamlessly integrating with your window installation. Crafted from high-quality 16 gauge cold-rolled steel and compliant with ASTM A 366 standards, this frame offers excellent durability and reliability.

Its two-piece telescoping jamb/throat design adjusts from 4-1/8” to 6-1/8”, helping accommodate different installation requirements. The frame also features a 2″ face profile with a 1/2” return. In addition, 1/16” lead lining provides effective radiation shielding around the window opening.

A gray primer powder finish helps protect the frame against corrosion and wear. The frame also comes with 5/8″ glass stops, shipped loose with screws for installation.

The Lead Lined Window Frame is available in five standard sizes:

- 12” × 10”
- 12” × 12”
- 12” × 18”
- 24” × 24”
- 30” × 48”

SPECIFICATIONS

FRAME LEAD LINING: 1/16”

FRAME MATERIAL: 16 Gauge Cold-Rolled Steel

FRAME TYPE: Two-Piece Telescoping

FRAME COLOR/FINISH: Gray Primer Powder Coat

GLASS STOPS: 5/8” (Shipped Loose with Screws)

STANDARD COMPLIANCE: ASTM A 366

PRODUCT INFORMATION

RADIATION SHIELDING GLASS 2.0MM PB EQ

RSG-1012 | RSG-1212 | RSG-1218 | RSG-1224 | RSG-2424 | RSG-2430 | RSG-2436 | RSG-3048 | RSG-3060



The Radiation Shielding Glass by Phillips Safety provides reliable radiation protection while maintaining clear visibility between shielded areas. Designed for use in medical and radiology environments, this lead glass offers 2.0 mm Pb lead equivalency to help reduce radiation exposure.

The glass measures 8 mm thick (±1 mm) and is available in nine standard sizes to accommodate different installation requirements. With its radiation shielding properties and range of sizes, this glass provides a practical solution for radiation protection windows and viewing areas in medical facilities.

SPECIFICATIONS

SIZE RANGE: 10” × 12” to 30” × 60”

MATERIAL: Lead Glass

COLOR: Clear

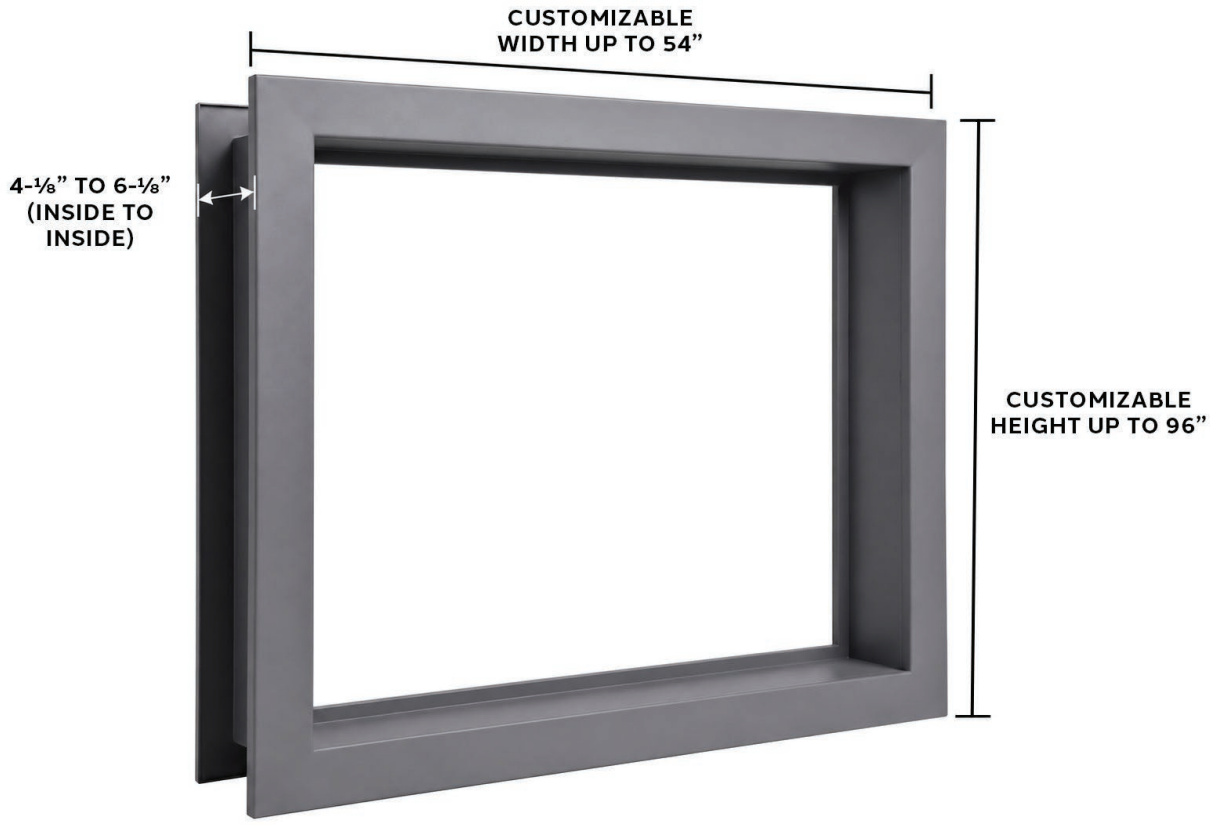
GLASS THICKNESS: 8 mm (±1 mm)

LEAD EQUIVALENCY: 2.0 mm Pb

PRODUCT INFORMATION

CUSTOM LEAD LINED WINDOW FRAME

PB-LLWF-CUST



The Custom Lead Lined Window Frame ensures radiation shielding while seamlessly integrating with your window design. Crafted from high-quality 16 gauge cold-rolled steel, compliant with ASTM A 366 standards, this Lead Lined Window Frame boasts exceptional durability and reliability.

Its two-piece telescoping jamb/throat design offers adjustable dimensions ranging from 4-1/8″ to 6-1/8″, catering to various installation requirements with ease. Designed with practicality in mind, the frame features a 2″ face profile with a 1/2″ return. Plus, it is lined with 1/16″ lead, effectively shielding against radiation exposure.

The window frame is coated with a gray primer powder finish, enhancing its resistance to corrosion and wear while seamlessly blending into any decor scheme. In addition, frames come with 5/8″ glass stops, shipped loose with screws, and are customizable up to 54″ W x 96″ H.

SPECIFICATIONS

FRAME TYPE: Two-Piece Telescoping

MATERIAL: 16 Gauge Cold-Rolled Steel

FINISH: Gray Primer Powder Coat

MAXIMUM SIZE: 54” W x 96” H

RADIATION PROTECTION: 1/16” Lead Lining

STANDARD COMPLIANCE: ASTM A 366

PRODUCT INFORMATION
CUSTOM RADIATION SHIELDING GLASS
RSG-CUSTOM



The Custom Radiation Shielding Glass by Phillips Safety provides a versatile solution for radiation protection applications that require specific dimensions and shielding levels. Available in custom sizes ranging from 12″ × 12″ to 48.5″ × 96″, this glass accommodates a variety of installation requirements.

The glass measures 8 mm thick (±1 mm) and offers a standard lead equivalency of 2.0 mm Pb. For applications requiring different protection levels, Phillips Safety also offers 1.6 mm, 2.5 mm, 3.0 mm, and 3.7 mm Pb lead equivalencies. Additionally, custom shielding levels are available to meet specific project requirements.

For specialized applications, Phillips Safety also offers Nuclear Radiation Shielding Glass for nuclear medicine and nuclear shielding environments.

To receive a quote for your custom radiation shielding glass, please contact our sales team with the following information: estimated quantity, size, and tolerances.

SPECIFICATIONS

SIZE RANGE: 12” × 12” to 48.5” × 96”

MATERIAL: Lead Glass

COLOR: Clear

GLASS THICKNESS: 8 mm (±1 mm)

LEAD EQUIVALENCY: Standard: 2.0 mm Pb
Also available: 1.6 mm Pb, 2.5 mm Pb, 3.0 mm Pb, 3.7 mm Pb

CONTACT

Should you need any further information,
please do not hesitate to contact us.

123 Lincoln Blvd, Middlesex, NJ 08846, USA

+1 866 575 1307

service@phillips-safety.com

www.phillips-safety.com