IMPERVIOUS™ ULTRASHIELD™
Modular Block

High density shielding designed for each specific space.

Our IMPERVIOUS™ UltraShield™ Modular Block provides protection for a range of scenarios. Made to site-specific spacial requirements for gamma and neutron radiation with five standard densities.

In new construction or vault upgrades, the interlocking design of our IMPERVIOUS™ UltraShield™ Modular Block ensures shielding integrity. The interlocking design is an ideal solution for therapeutic modalities including linear accelerators, proton therapy, and HDR rooms, as well as industrial applications requiring shielding materials. It can be utilized for maze walls and complete vault construction, with or without mortar (for modularity), depending on physics requirements and construction design. NELCO can even combine IMPERVIOUS™ UltraShield™ Modular Block with other materials for each unique shielding need.
Features and Highlights

VERSATILITY
Can be used in new or upgrade vault construction

INTERLOCKING SHIELDING
Interlocking design ensures shielding integrity

SPACE SAVINGS
Higher density block saves space vs. traditional concrete construction

TIME SAVINGS
Accelerate lead time and construction compared to cast-in-place concrete

MODULARITY
Dry-joint design is easily uninstalled for relocation

FISCAL GAINS
Potential tax savings with capital equipment classification

Top-Line Tech Specs

PRODUCT
IMPERVIUS™ UltraShield™ Modular Block

USAGE
Low- and high-energy linear accelerator vaults, proton therapy, IMRT, HDR, Gamma Knife, CyberKnife, cobalt nuclear medicine, industrial applications, custom radiation

DIMENSIONS
5"H x 5"W x 10"D • 127 H x 127 W x 254 D mm
6"H x 6"W x 12"D • 152 H x 152 W x 305 D mm

CONSTRUCTION
147 lbs/cu ft • 2.35 g/cm³
240 lbs/cu ft • 3.84 g/cm³
250 lbs/cu ft • 4.00 g/cm³
288 lbs/cu ft • 4.60 g/cm³
300 lbs/cu ft • 4.85 g/cm³
Custom densities available

DESIGN
Available in interlocking modular units and square-edge blocks at same densities

Related Products or Services

• IMPERVIUS™ UltraShield™ Modular Block
• IMPERVIUS™ AlphaShield™ Modular Lead Brick
• GUARDIAN™ Door Systems
• OCLEN Consulting
• Physics Design and Consultation