

# IMPERVIUS™ ULTRASHIELD™ Modular Block

**High density shielding designed  
for each specific space.**

Our IMPERVIUS™ 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 IMPERVIUS™ 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 IMPERVIUS™ UltraShield™ Modular Block with other materials for each unique shielding need.



**Safety  
for  
life**



TO REQUEST A QUOTE OR FOR ANY OF OUR SERVICES  
Call 1-800-NELCO-13 (635-2613) or visit [NELCOWORLDWIDE.COM](http://NELCOWORLDWIDE.COM)

## 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/cm<sup>3</sup>

240 lbs/cu ft • 3.84 g/cm<sup>3</sup>

250 lbs/cu ft • 4.00 g/cm<sup>3</sup>

288 lbs/cu ft • 4.60 g/cm<sup>3</sup>

300 lbs/cu ft • 4.85 g/cm<sup>3</sup>

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