High density shielding designed for each specific space.

Our HD Concrete 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 High Density Concrete 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 HD Concrete Blocks with other materials for each unique shielding need.
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

PRODUCT
High density concrete block

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

DIMENSIONS
6"H x 6"W x 12"D
152.4 H x 152.4 W x 304.8 D (mm)

CONSTRUCTION
147 lbs/cu ft (2354.7 KG/m3)
240 lbs/cu ft (3844.4 KG/m3)
250 lbs/cu ft (4004.6 KG/m3)
288 lbs/cu ft (4613.3 KG/m3)
300 lbs/cu ft (4805.5 kg/m3)
Custom densities available

DESIGN
Interlocking modular units; available in square-edge blocks at same densities

OTHER RELATED PRODUCTS OR SERVICES
• MegaShield™ Modular Block
• N-Series Lead Brick
• GUARDIAN™ Door Systems
• OCLEN Consulting

Recycled materials used in this product

TOP-LINE TECH SPECS