

When safety & success must be **Absolutely Assured**

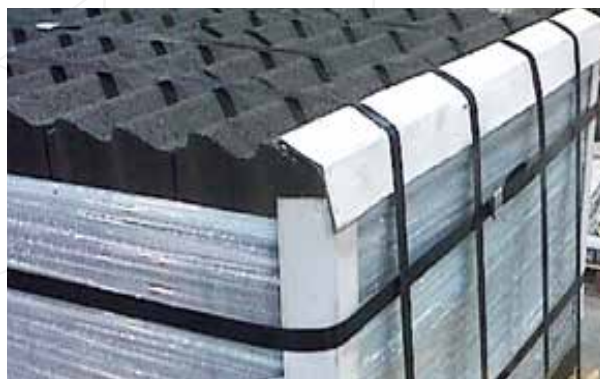


HIGH-DENSITY CONCRETE

MarShield interlocking high density concrete block is an excellent choice where space is limited. We can provide high density concrete blocks up to 300 pounds per cubic foot. High density concrete gives a composite shield for both neutron and gamma radiation. High density aggregates are the key ingredient in high density concrete. The most common aggregates used to achieve the required densities are Hematite (Fe_2O_3), Ilmenite (FeO TiO_2), Magnetite (Fe_3O_4) and Steel Aggregate.

FEATURES & BENEFITS

- Easy and quick to install, remove, and re-install
- Does not omit hazardous dust emissions during installation
- MarShield offers smaller sizes for lighter weight and easier handling
- Blocks are environmentally safe to handle and use with no disposal concerns as material is non-toxic
- Blocks are dry stacked
- No concrete curing time
- Little to no steel reinforcement and no formwork
- Easy to transport and store on worksite, unaffected by weather





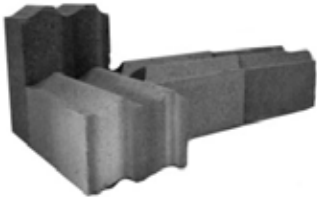

HIGH-DENSITY CONCRETE

PRODUCT DETAILS

MarShield offers two sizes of high density blocks that interlock on all four sides to prevent radiation leakage. Compared to a conventional concrete treatment room, the increased density can reduce your shielding thickness by 50% and save valuable space. These multiple size options provide a simple solution to adding space-saving shielding to any wall, ceiling and floor without having to endure lengthy construction delays.

APPLICATIONS

- Linear Accelerator vaults or rooms
- Cancer Therapy rooms or mazes
- Proton therapy rooms
- Oncology rooms
- Industrial X-Ray or NDT testing
- Nuclear power plants

		
TYPE	6" Thick Interlocking High Density Concrete Blocks	4" Thick Interlocking High Density Concrete Blocks
SIZE	4" high x 8" long x 6" thick	6" high x 12" long x 4" thick
DENSITY	<p>Stock Sizes</p> 240 lbs. per cubic foot / 3.84 grams per cubic cm 300 lbs. per cubic foot / 4.81 grams per cubic cm	<p>Stock Sizes</p> 240 lbs. per cubic foot / 3.84 grams per cubic cm 300 lbs. per cubic foot / 4.81 grams per cubic cm
<small>Optional: Solid Rectangular HD Blocks & Matching Density HD Grout 2-Core HD Masonry Units & Matching Density HD Grout</small>		

**Learn More About
High-Density Concrete**

1.800.381.5335 | sales@marshield.com | www.marshield.com

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