

FLOTATION BLOCKS


Superior buoyancy for your flotation application.

R-Shield® expanded polystyrene flotation blocks are highly buoyant and can be shaped for almost any application.

R-Shield flotation blocks work in synergy with chemical and impact resistant coatings/coverings for maximum service and environmental safety.

- High buoyancy
- 100% recyclable
- Closed cell with superior moisture resistance
- Inert, non-nutritive, highly stable
- Will not decompose, decay or produce gases or leachates

Properties.

 R-SHIELD® RIGID INSULATION	100	130	150	200
Buoyancy Force lbs/ft ³ (kg/m ³)	61.7 (990)	61.5 (980)	61.1 (980)	60.6 (970)
Water Absorption max. volume %	4.0	4.0	3.0	2.0
Compressive Strength @ 10% deformation, min. psi (kPa)	5.0 (35)	10.0 (69)	15.0 (104)	25.0 (173)
Flexural Strength, min. psi (kPa)	10.0 (69)	25.0 (173)	35.0 (242)	50.0 (345)

Proven to meet, or exceed, building codes.

R-Shield is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER40361-01 and ICC ESR-4743. R-Shield meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".



Sizes and Shapes.

R-Shield Flotation Blocks can be made in a variety of sizes and shapes.

Coatings.

Protective coatings/coverings must be used to encapsulate the R-Shield Flotation Blocks to ensure optimum service life and meet many of today's marine design standards.



FOAM FACTS: R-Shield Flotation Blocks.

- R-Shield is extremely buoyant
- R-Shield is highly stable and will not corrode, decay or sink when punctured when protected
- R-Shield can easily vary strength, thickness, and size
- Expanded polystyrene is 100% recyclable

Recyclable.

After it's life as a fabricated shape, R-Shield is 100% recyclable. It can be ground into granules and reincorporated into new R-Shield products or it can be thermally processed into a resin that's used to manufacture other new products.

Ready to take control? Start here.

If you're ready to have R-Shield contribute to your next project, just contact your Premier Building Systems Technical Sales Representative. They will be happy to give you design consultation, information about R-Shield products, pricing, and answers to all of your questions.

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