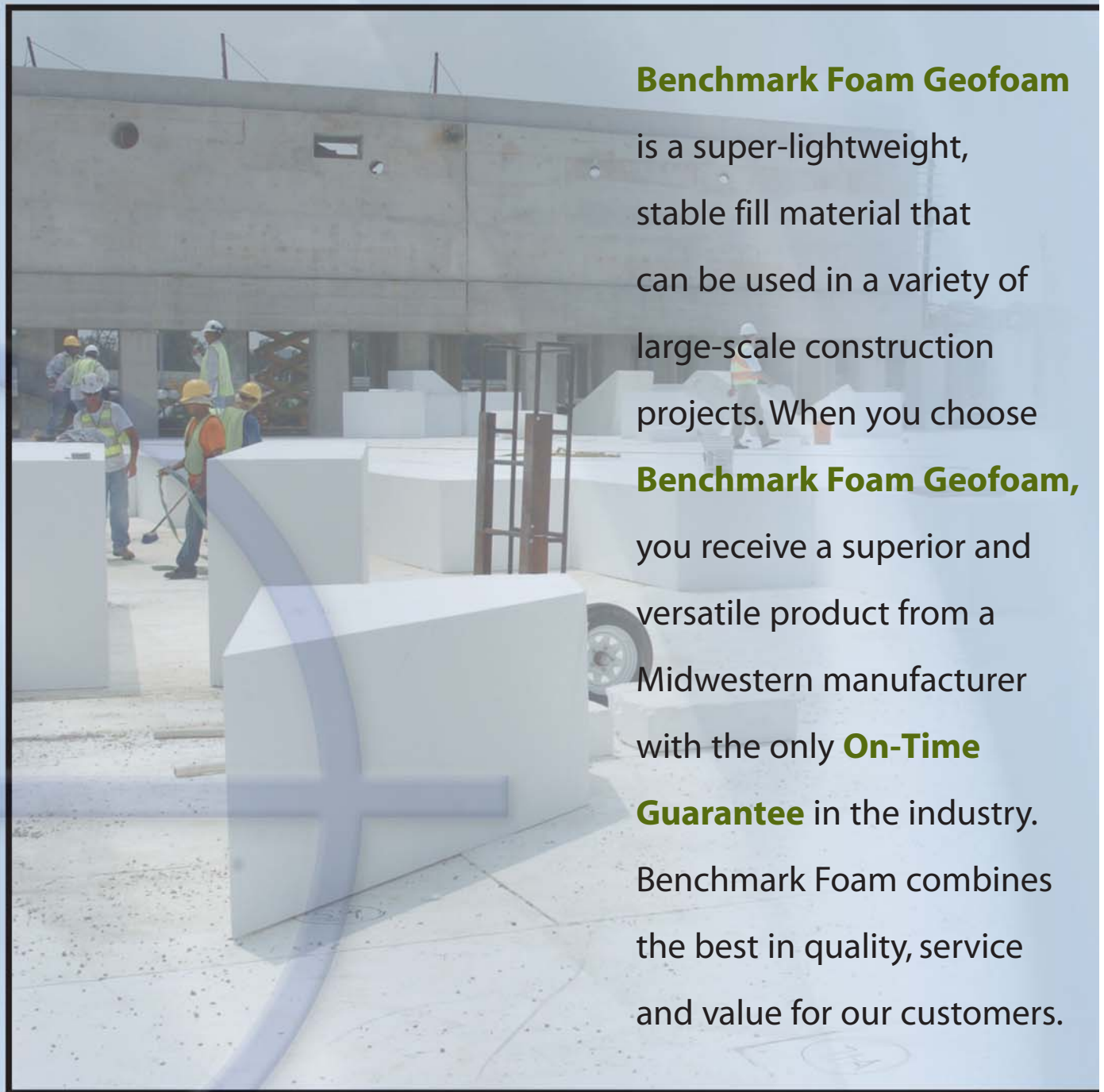


GEOFOAM

by Benchmark Foam



Benchmark Foam Geofoam

is a super-lightweight, stable fill material that can be used in a variety of large-scale construction projects. When you choose

Benchmark Foam Geofoam,

you receive a superior and versatile product from a

Midwestern manufacturer

with the only **On-Time**

Guarantee in the industry.

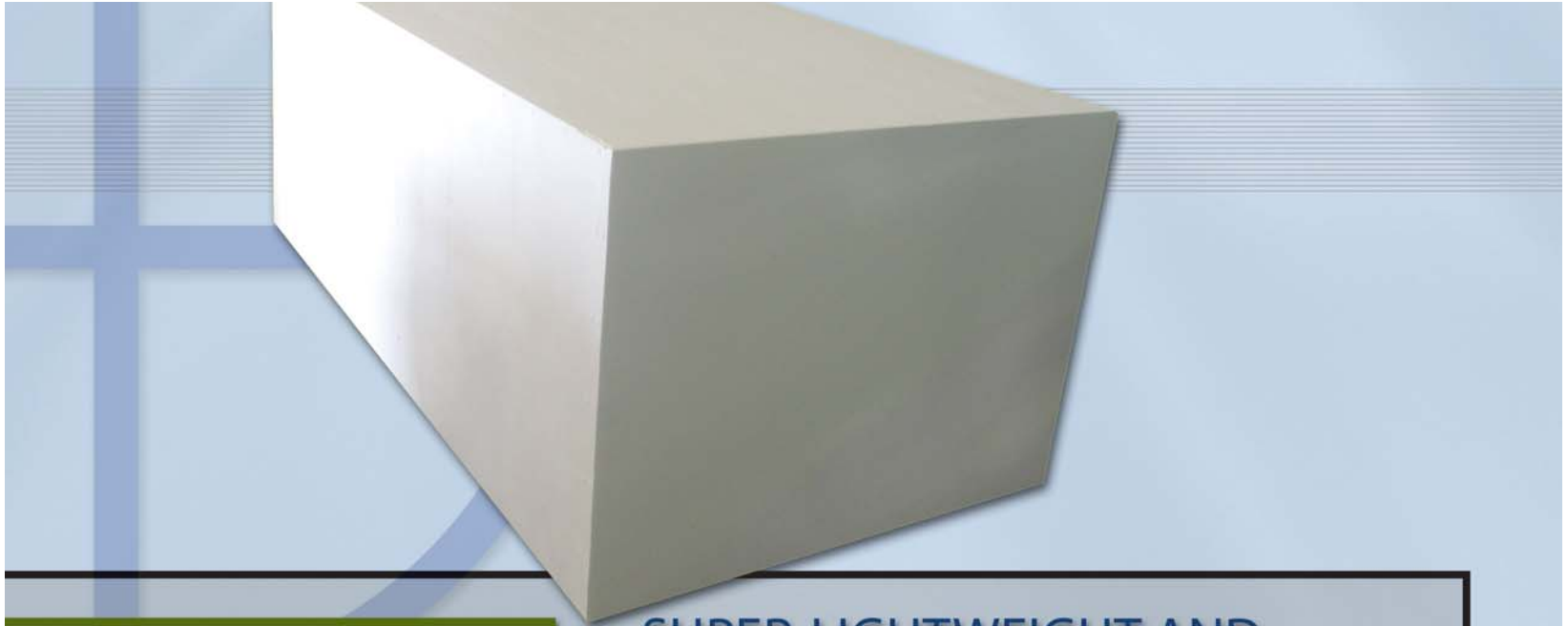
Benchmark Foam combines

the best in quality, service

and value for our customers.

 **BENCHMARK FOAM INC.**

Quick response is our guarantee.



Geofoam is such a lightweight fill material that it can be easily handled by small equipment or just a few crew members.

SUPER-LIGHTWEIGHT AND VERSATILE FILL

STABLE AND VERSATILE

The unique load disbursement of Benchmark Foam Geofoam minimizes post-construction settling. Because Benchmark Foam Geofoam is not subject to the limitations and instability of other natural or fabricated fill materials, you can have confidence in the long-term success of your project.

LIGHTWEIGHT AND COST-EFFECTIVE

Because Benchmark Foam Geofoam is the most lightweight fill material available on the market today (only 1 to 2 pounds per cubic foot) large earthmoving equipment is not required. The ease in handling both accelerates the project timeline and saves money in equipment and labor costs. The completed fill also exerts little or no lateral load on the retaining structures.

MAINTENANCE FREE AND ENVIRONMENTALLY SAFE

The stable, maintenance-free characteristics of Benchmark Foam Geofoam mean you complete your project and it stays complete. You will not need to schedule maintenance to address settling or complete additional backfill. Benchmark Foam EPS is inert in long-term burial conditions, and because it contains no CFCs, HCFCs or HFCs, it is environmentally safe.

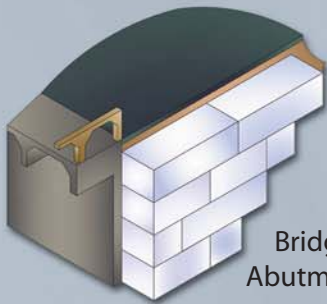
CUSTOM DESIGNED PREFABRICATION

Benchmark Foam Geofoam can be prefabricated to your project's specifications, or easily cut and shaped on the jobsite. Talk to your Benchmark Foam Geofoam representative about custom fabrication and design assistance for your next project.

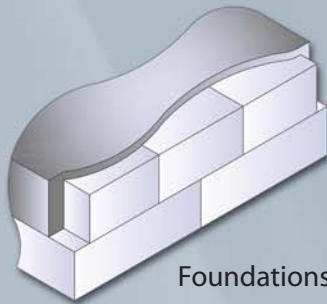
Call Benchmark Foam toll free at 800-658-3444.

COMMON APPLICATIONS

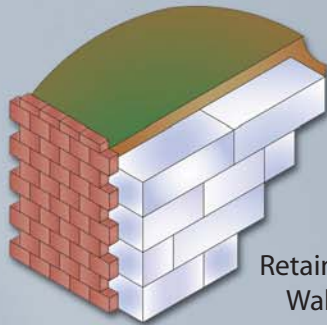
Benchmark Foam Geofoam is an ideal fill material for large-scale construction projects as well as smaller jobs. The super-lightweight, stable EPS foam is strong, durable, cost effective and easy to handle. Geofoam has been in world-wide use for more than 30 years, and has proven to be effective in a variety of applications.



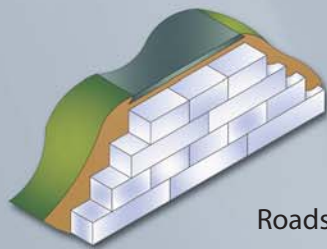
Bridge Abutments



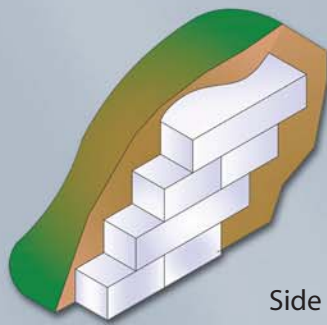
Foundations



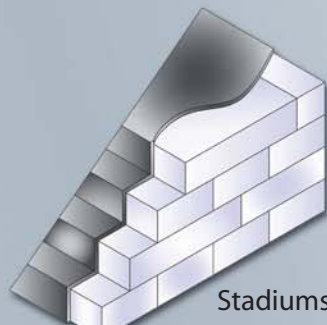
Retaining Walls



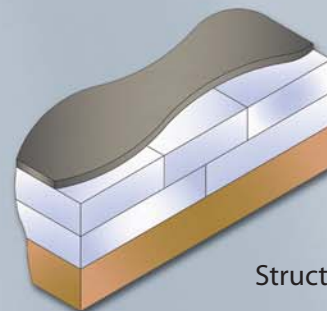
Roads



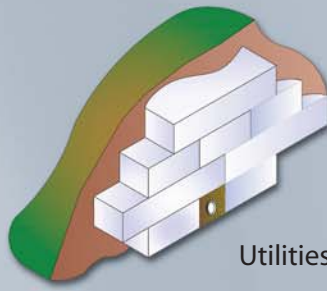
Side Hills



Stadiums



Structures



Utilities



The stability and performance of Benchmark Foam Geofoam makes it an excellent choice for large projects like bridge abutment and highway fill. Geofoam has been recognized by the Federal Highway Association as an effective fill material.

On-Time Guarantee:

*Benchmark Foam knows that your business depends on our product arriving on time. Our service response is so dependable we back it with Benchmark Foam's On-Time Guarantee. Your product will be shipped and arrive by the agreed-to arrival date or we will **discount your invoice 10 percent**. We work to accommodate customer needs, giving you confidence when you place an order, even if it needs to be rushed. And we do not have truckload quotas, so no matter how large or small, your order will be shipped on time.*



STANDARD SIZES:

Benchmark Foam Geofoam is produced in block form with nominal height and width dimensions of 3 feet by 4 feet. Standard lengths are 8 or 16 feet. Geofoam can be precut to your specifications or cut at the jobsite to be easily positioned.

Geofoam is available in a range of standard specifications depending on your project needs.

- 4-foot widths
- Up to 18-foot lengths
- Up to 36-inch thickness

SPECIFICATIONS:

Benchmark Foam Geofoam is manufactured to the following ASTM D6817-04 guidelines.

PHYSICAL PROPERTIES OF GEOFOAM					
Type - ASTM D6817	EPS12	EPS15	EPS19	EPS22	EPS29
Density, Min.	0.70	0.90	1.15	1.35	1.80
Compressive Resistance @ 1% deformation min., (psi)	2.2	3.6	5.8	7.3	10.9
Flexural Strength min., (psi)	10.0	25.0	30.0	40.0	50.0
Water Absorption by total immersion, max., volume %	4.0	4.0	3.0	3.0	2.0
Oxygen Index, min., volume %	24.0	24.0	24.0	24.0	24.0
Buoyancy Force, (lb/ft ³)	59.4	59.6	59.8	60.0	60.5
ADDITIONAL PROPERTIES FOR COMPRESSIBLE APPLICATIONS					
Compressive Resistance @ 5% deformation, min., (psi)	5.1	8.0	13.1	16.7	24.7
Compressive Resistance @ 10% deformation, min., (psi)	5.8	10.2	16.0	19.6	29.0

Geofoam has been recognized as an effective fill material by the Federal Highway Association.

*Front and Back Cover Photos:
Woodrow Wilson Bridge Project.
Photos provided by Flint Hills Resources.*



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Call today to see how our unique capabilities can benefit you!