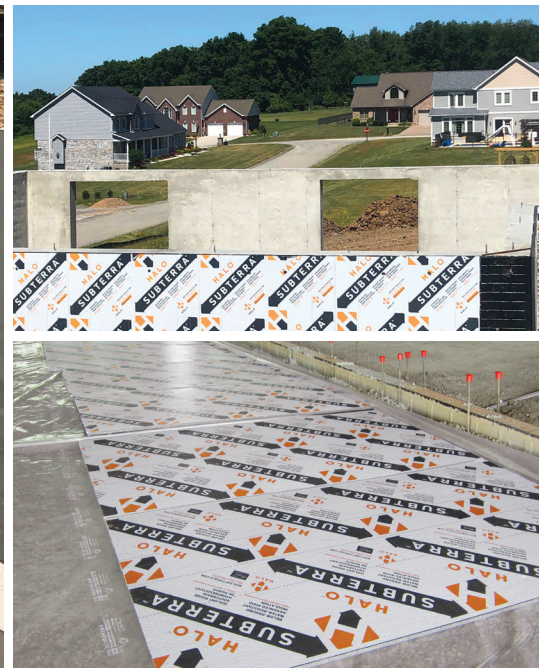




Advanced Rigid Insulation



Powered by



Halo® Subterra® is perfectly designed for cost effective, long-lasting performance.

Meet Halo Subterra. The professional grade continuous insulation solution from Progressive Foam.

Subterra delivers high, long-term R-value and better overall value compared to other options. When you specify and install Subterra, you can expect maximum efficiency, cost-effectiveness and durable performance for numerous applications.

Multi-use applications

Subterra meets code requirements for Continuous Insulation and can be used in a variety of applications in new construction and remodeling – in both residential and light commercial projects. It is specially designed for below-grade applications such as under slab, exterior foundation walls, basement subfloors on slab, and perimeter foundations.



Under Slab



Perimeter Foundation

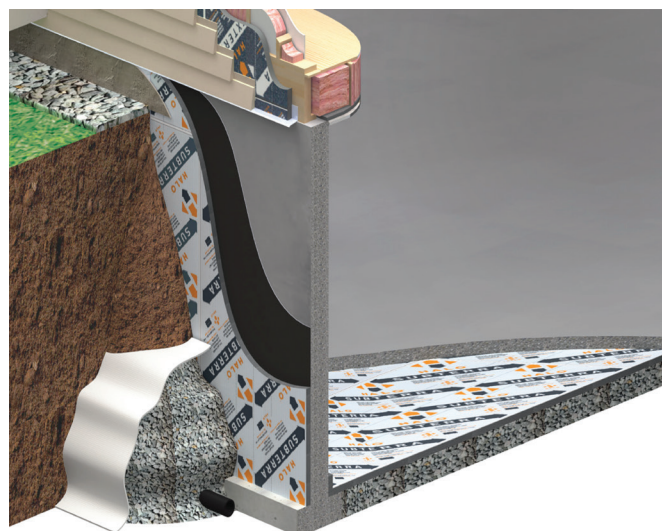


Basement Subfloor



Interior Foundation

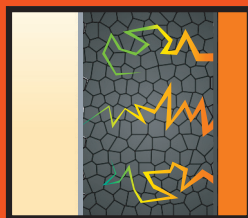
Subterra is also versatile—you can install it for other applications as well, such as above grade walls, attics and more. See your Progressive Foam representative to learn more.



Tap the Power of High-Performance Graphite Polystyrene

Subterra is formulated with Graphite Polystyrene (GPS) delivering incredibly powerful benefits.

- R-5 Performance: GPS fuses the insulating power of air with millions of graphite particles. This unique cellular structure reflects radiant heat energy hundreds of times as it moves through the insulation to slow heat transfer and increase R-value
- R-Hold™ Technology, does not lose R-value over time like other foam



- Zero thermal drift – performs consistently in varying conditions
- Even delivers stronger R-value performance as outside temperatures drop
- Ultra-low moisture absorption – does not retain moisture like other foam
- Does not off-gas or breakdown over time
- Manufactured with a flame retardant
- Protected from insect degradation with safe insect inhibitor
- GPS is 100% recyclable and ozone-layer friendly – no CFC's or HCFC's are used

Powerful benefits make Subterra the best choice.

No matter how you use Subterra on your next project, you can count on valuable benefits that remain consistent over time. Subterra Will not lose its ability to perform based on changes in the installed environment.

Thermal Performance

Made with GPS, Subterra provides a powerful R-5 per nominal inch.*

- Minimizes energy loss (conduction) from “thermal bridging” (when heat transfers through a material – such as a foundation wall or slab – into or out of a conditioned space)
- Delivers stronger R-value performance as outside temperatures get colder
- R-Hold™ Technology ensures R-value performance remains permanent
- Does not deteriorate, breakdown or lose thermal performance over time like other insulation
- Zero Thermal Drift with consistent performance in varying conditions
- Does not “off-gas” like other foams that rely on gases to deliver thermal benefits – meaning the gases used in manufacturing inferior products slowly disperse from the foam causing performance degradation
- Holds true to the original specification due to air trapped inside its unique graphite cellular structure



*Thermal performance claim based on a thickness of 1-1/16”

Moisture Management

Moisture is forever the enemy in construction, potentially causing damage to materials or even leading to hazardous living conditions for the occupants. Subterra provides valuable protection for any installation.



- Ultra-low moisture absorption even in wet conditions
- Fast-drying characteristics in wet conditions
- Does not absorb moisture like other foam products
- Will not contribute to moisture damage



Durable

Subterra is light weight yet durable – perfect for today's demanding job sites.

- Strong GPS core strengthened with two film facers for added strength
- 1.5 mil flexible plastic front facer
- 1.0 mil metalized back facer
- Flexible for easy installation
- Protects foundations, water-proofed surfaces, slabs or any surface it covers
- Performs well in ground contact applications including adverse soil conditions
- Available in multiple options for compressive strength



Fire Performance

As with all Progressive Foam products, Subterra is formulated with specially modified material that is manufactured with a flame retardant (ASTM E84/UL 723).

Termite Resistance

GPS is protected from insect degradation with a specially formulated insect inhibitor that is safe for humans and pets. Note: Product sold in Canada does not contain insect inhibitor.



Specifications and Performance

R-Value ASTM C518 @ 75° F, nominal 1.06" thickness	R-5		
Classification of Insulation Component	Type I	Type II	Type IX
Compressive Resistance** ASTM D1621 PSI, based on 1" thickness	10	15	25
GPS Density ASTM D1622 lb/ft ³ (kg/m ³), minimum	0.90	1.35	1.80
Flexural Strength ASTM C203 PSI, based on 1" thickness	25	35	50
Film Facers			
Front: Flexible plastic, white	1.5mil		
Back: Metalized, reflective	1.0mil		
Water Absorption by total immersion, max, volume %	4.0	3.0	2.0
Flame Spread Smoke Developed ASTM E84 (UL 723?), Index	<25	<450	

**Compressive resistance at yield or 10% deformation, whichever occurs first with skins intact, min, psi (kPa)



Available Dimensions

Subterra Classification, PSI	nominal 1.06"	4' x 8'
	R-value	Thickness
Type I, 10 PSI	5.0	1.02"
	7.5	1.55"
	9.6	2.0"
	10.0	2.09"
	14.3	3.0"
	15.0	3.15"
Type II, 15 PSI	5.0	1.02"
	7.5	1.55"
	9.6	2.0"
	10.0	2.09"
	14.3	3.0"
	15.0	.15"
Type XI, 25 PSI	5.0	1.02"
	7.5	1.55"
	9.6	2.0"
	10.0	2.09"
	14.3	3.0"
	15.0	3.15"

About Progressive Foam Technologies

As the inventors of insulated vinyl siding and as a leading polystyrene insulation manufacturer for over 30 years, Progressive Foam Technologies has built its business by exclusively partnering with the building industry value chain. PFT works closely with siding manufacturers, building products distributors, home improvement pros, builders, and contractors of all types to bring powerful, reliable insulation solutions to North America.

For More Information:

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