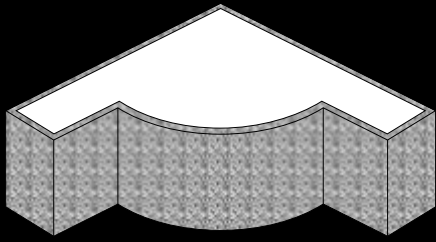




Poly-Armor™ Coating

Technical Data Sheet

**Architectural
Sign Structures
Accents & Details**



Peachtree City
Foamcraft
ARCHITECTURAL ACCENTS & SIGN STRUCTURES



**Bringing you
Decades of
Signage
Experience**

At Peachtree City Foamcraft, we use a proprietary plastic coating to encapsulate and protect our structures from the effects of freeze-thaw, mechanical impact and abrasion. This durable polymer provides protection that far exceeds the requirements of any City, State and Federal zoning authorities.

We understand that every day is not 75 and sunny. To prove our signs are the best, we tested our monument structures under real world, extreme weather conditions - from sub-zero temperatures to desert heat. The results of our testing prove your monument sign will stand the test of time.



Poly-Armor™ @ 60 mils 1lb Expanded Polystyrene

	ASTM Test	@77 F	@ 32 F
Impact Resistance	G14	500 IN-LBS	350 IN-LBS
Elongation	ASTM D412	400%	150%
Tensile Strength	ASTM D412	3000PSI	2200 psi
Tear Strength	ASTM D624	250 pli	150 pli
Flexibility over 1/8" mandrel	ASTM D522	PASS	PASS
Fire Retardant	ASTM E84	PASS	PASS

Our products handle thermal cycling and they will not crack, rot or deteriorate due to extreme weather conditions. Our structures will maintain high impact resistance properties from the day they are put into service to the day they are removed.

Poly-Armor™ Lasts for Decades

Peachtree West
1561 Foothill Drive
Boulder City, NV 89005
Phone: 702-856-3306
Fax: 702-856-0480

Peachtree Headquarters
386 Senoia Road
Tyrone, GA 30290
Phone: 877-862-0840
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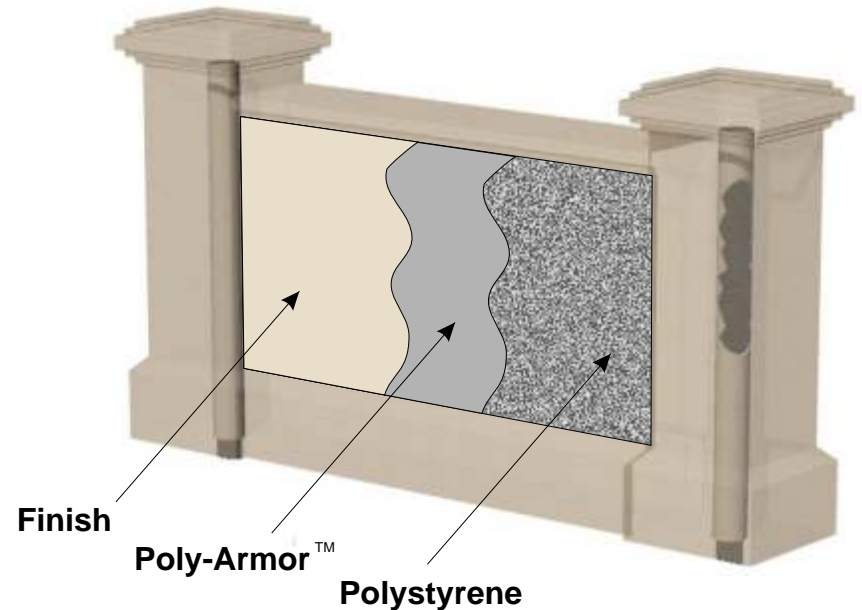
Peachtree Northeast
4215 Independence Dr.
Schnecksville, PA 18078
Phone: 610-769-0661
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Peachtree City
Foamcraft
 ARCHITECTURAL ACCENTS & SIGN STRUCTURES

Expanded Polystyrene		
Description	Test Method	Results
Density, Minimum	ASTM D303	1.15
Density, Range	ASTM 1622	1.15 – 1.34
Thermal Conductivity @25F BTU @45F (sq ft) @75F (F/in)	ASTM C177	.22 .235 .255
Compression Strength @ 10% Deformation	ASTM D1 621	13-18
Flexural Strength psi	ASTM C203	30-38
Tensile Strength psi	ASTM D1 623	18-22
Shear psi	ASTM D7 23	23-25
Water absorption by immersion	ASTM C272	Less than 4%
Thermal Expansion, in/(in.)(F)	ASTM D6 96	0.000035
Oxygen Index, min, volume %	ASTM C578	24%
Flame Spread	ASTM E-84	20
Smoke developed	ASTM E-84	150-300
Termite Resistance	ASTM D3 345(mod)	Passed
Carpenter Ant Resistance	ASTM D3 345(mod)	Passed



FINISH		
Description	Test Method	Results
Freeze/Thaw	ASTM C-67	No cracking, checking, crazing, erosion or other deleterious effects.
Freeze/Thaw	ICBO AC24	No cracking, checking, crazing, delaminating, erosion, or other deleterious effects.
Water Resistance	ASTM D2247-94	No cracking, checking, crazing, blistering, erosion, or other deleterious effects.
Humidity Resistance	ASTM D-2247	No deleterious change in surface.
Mold Resistance	ASTM D3273-94	No growth of mold observed.
Abrasion Resistance	ASTM D-968-93	No cracking, checking or loss of film.
Salt Spray	ASTM B117-95	No cracking, crazing, blistering, erosion or deleterious effects.
Accelerated Weathering	ASTM G-53	No surface changes such as cracking, checking, crazing and erosion.
Accelerated Weathering	ASTM G23-93	No surface changes such as cracking, checking, crazing and erosion.
Fade Resistance	ASTM D-1729-89	Passed