

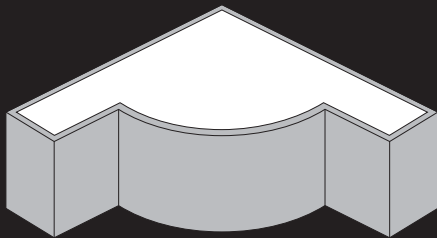
Poly-Armor™ Coating

At Column Cap Central, 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 exceed the requirements of your City, State and Federal zoning authorities.

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



Column Cap



The Original
FoamCore
Cap

Bringing you
decades of
Column Cap
experience

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 <small>over 1/8" mandrel</small>	ASTM D522	PASS	PASS
Fire Retardant	ASTM E84	PASS	PASS

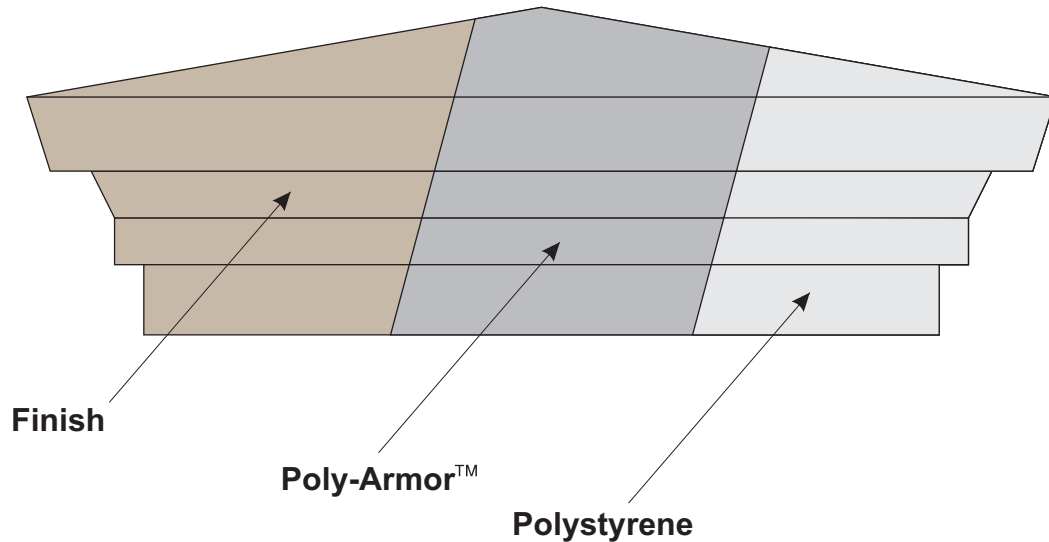
Our products handle thermal cycling and they will not crack, rot or deteriorate due to extreme weather conditions. Our structures will maintain high impact resistance properties from the day they are put into service to the day they are removed.

Poly-Armor™ Lasts for Decades

Column Cap Central
4215 Independence Dr
Schnecksville, PA 18078
Phone: 610-769-0700
Fax: 610-769-0701

www.columncapcentral.com
sales@columncapcentral.com

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 D1621	13-18
Flexural Strength psi	ASTM C203	30-38
Tensile Strength psi	ASTM D1623	18-22
Shear psi	ASTM D723	23-25
Water absorption by immersion	ASTM C272	Less than 4%
Thermal Expansion, in/(in.)(F)	ASTM D696	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 D3345(mod)	Passed
Carpenter Ant Resistance	ASTM D3345(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, erosion, Delamination or other deleterious effects
Water Resistance	ASTM D2247-94	No Cracking, 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 Integrity was observed
Salt Spray	ASTM B117-95	No cracking, crazing, blistering, erosion or o deleterious effects
Accelerated Weathering	ASTM G-53	No surface changes such as cracking, Checking, crazing, erosion
Accelerated Weathering	ASTM G23-93	No surface changes such as cracking, Checking, crazing, erosion
Fade Resistance	ASTM D-1729-89	Passed