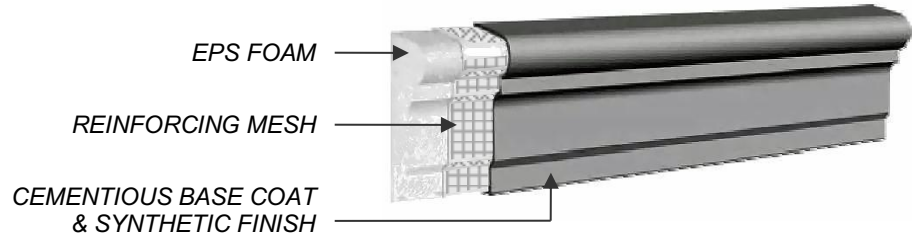




A DDKR, LLC Company

PRODUCT COMPONENT OVERVIEW



POLYSTYRENE FOAM:

- Moldings are cut to specified shapes and dimensions with CAD-CAM equipment.
- Moldings are cut from a billet with standard lengths of 8 or 10 feet
- Typical Raw Foam part dimensional tolerances of: $\pm 1/32$ inch
- Most moldings are cut in 1.0 lb or 1.5 lb density foam

Typical Physical Properties of EPS Insulation							
Specification reference: ASTM C578							
				1.0	1.25	1.5	2.0
Property	Units	ASTM Test					
Density, Minimum	pcf	D1622	.90	1.15	1.35	1.80	
Density Range	pcf		.90-1.14	1.15-1.34	1.35-1.79	1.80-2.20	
Thermal Conductivity	@ 40°F	BTU/hr. (sq.ft.)	C518	0.24	0.23	0.22	0.21
(k Factor)	@ 75°F	(F/in.)		0.26	0.25	0.24	0.23
Thermal Resistance	@ 40°F	at "1	-----	4.17	4.25	4.55	4.76
(R Value)	@ 75°F	thickness		3.85	3.92	4.17	4.35
Strength Properties							
Compressive 10% Deformation	psi	D1621		10-14	13-18	15-21	25-33
Flexural	psi	C203		25-30	32-38	40-50	55-75
Tensile	psi	D1623		16-20	17-21	18-22	23-27
Shear	psi	D732		18-22	23-25	26-32	33-37
Shear Modulus	psi	-----		280-320	370-410	460-500	600-640
Modulus of Elasticity	psi	-----		180-220	250-310	320-360	460-500
Moisture Resistance							
WVT	perm. in	E96 (Proc. A)		1.2-3.0	1.1-2.8	0.9-2.5	0.6-1.5
Absorption (vol.)	%	C272		<3.5	<3.0	<3.0	<2.0
Capillarity	-----	-----		none	none	none	none
Coefficient of Thermal Expansion	in./(in.) (F)	D696		0.000035	0.000035	0.000035	0.000035
Maximum Service Temperature	°F						
Long-term		-----		167	167	167	167
Intermittent		-----		180	180	180	180
Oxygen Index	%	D2863		24	24	24	24
Dimensional Stability	% Change	D2126 (Proc. C&E)		max.	max.	max.	max.
				2.0	2.0	2.0	2.0

* 1.25 lb is special order allow 5 days additional lead time

** For special projects, Extruded PS is available in 1 & 2 inch thick pieces cut from 4' x 8' sheets

Warning! EPS foam is flammable. Modified EPS, like most plastic foams, is flammable. Do not expose EPS to open flames or other direct or indirect high temperature ignition sources such as burning operations, welding, burning cigarettes, space heaters or naked lights. When burning, EPS will consume oxygen, releasing heat and smoke and potentially toxic gases such as carbon monoxide and carbon dioxide. Do not use, install or store EPS except in strict compliance with BOCA, ICBO or SBCC% codes, as well as any local fire-related laws and/or ordinances. Failure to comply with these codes/laws may increase the risk of fire and result in personal injury or property damage from smoke, flames or water.

Cutting Edge Architectural Moldings, LLC (Cutting Edge) warrants that the architectural products manufactured and distributed by Cutting Edge are free from manufacturing defects when installed in accordance with guidelines and instructions, where indicated, and in accordance to the customary and ordinary standards of the industry. Cutting Edge's sole responsibility shall be for the replacement of the product only, when it has been determined by Cutting Edge that the product was defective as a result of manufacturing and not as a result of improper installation or handling. Cutting Edge assumes no liability or responsibility for any direct, indirect or consequential damages that may arise from the use of any architectural product manufactured and distributed by Cutting Edge. Additionally, Cutting Edge assumes no responsibility for any defective product not manufactured or distributed by Cutting Edge in which a product of Cutting Edge is attached to or made a part of said product. The above warranty and limited remedy is made in lieu of all other warranties, express or implied, including, but not limited to, the implied warranty of merchantability, the implied warranty of fitness for a particular purpose, and any implied warranty arising out of course of dealing, or a custom, or usage of trade.

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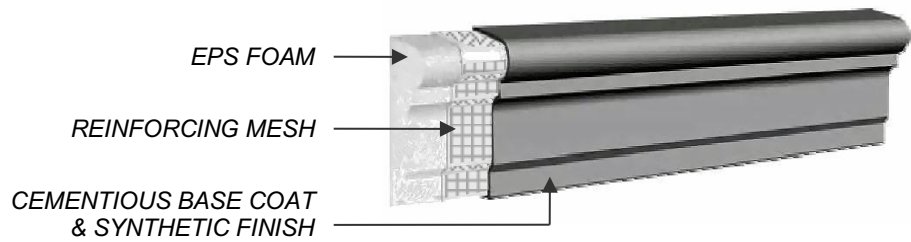
Email: sales@cuttingedgemoldings.com
Website: www.cuttingedgemoldings.com

Plant Location:
7116 24th Court East
Sarasota, FL 34243



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PRODUCT COMPONENT OVERVIEW



POLYETHYLENE OR POLYPROPYLENE REINFORCING MESH:

- Unlike fiberglass mesh, it is resistant to alkaline attack from cementitious coatings. Maintaining its strength in service over time
- Tough and Impact Resistant
- Provides flexural strength during shipping, handling, and installation.
- Better elongation, resulting in less cracking and damage.
- Can be handled safely without gloves.

Typical Physical Properties of Polypropylene Mesh

Property	Test Method	U.S. Units	S.I. Units
Construction	Calculated	12 x 5.6 ends/in.	4.7 x 2.2 ends/cm
Mass per unit area	ASTM D-5261	2.6 (oz/yd ²)	88 (g/m ²)
Grab Tensile Strength	ASTM D-4632	60 x 50 (lbs)	267 x 223 (N)
Grab Tensile Elongation	ASTM D-4632	30 (%)	30 (%)
Mullen Burst	ASTM D-3786	110 (psi)	758 (Kpa)
Aperture Size	Measured	0.16 x 0.19 (in.)	4.1 x 4.8 (mm)
Latex Add On	ASTM D-5261	22.5 (%)	22.6 (%)
Ultraviolet Stability (Strength retained after 200 hrs Xenon Arc Weatherometer)	ASTM D-4355	50 (%)	50 (%)
Stiffness	ASTM D-1388	50 (lb. in.)	2800 (mg. cm)
Thickness	ASTM D-1777	30 mils	0.76 mm
Color	WHITE		

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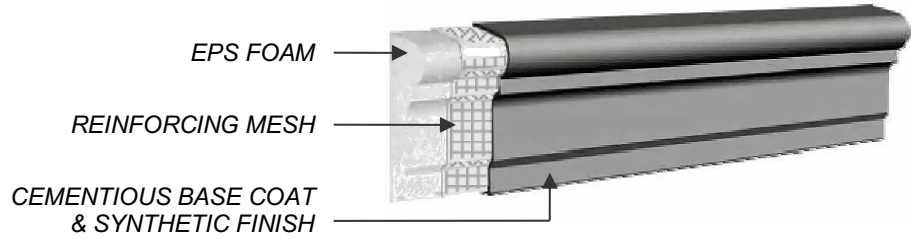
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PRODUCT COMPONENT OVERVIEW



BASE COAT:

- Cutting Edge uses only proprietary cementious coatings based on polymeric modified cement.
- Coatings are formulated to provide:
 - Adhesion to the foam and mesh
 - Hard surfaces for years of service
 - Polymeric additives to provide crack resistance to thermal expansion and contraction
 - Smooth surface compatible with various finish coats
 - Compatibility with typical cementious coatings applied as stucco wall coatings; increasing the ease of on-site installation
- For linear profile moldings:
 - Moldings are machine coated giving a consistent part to part performance
 - Coating thicknesses can be varied from 1/16 to 1/4 inch with typical coating thickness at 3/32 inch
 - Coating thickness across the molding can be set to maximize product performance
 - Multiple coating passes can be made for special product needs.
 - Various hand finishing techniques are available if the product requires it.
- For intricate or non-linear moldings:
 - Moldings are spray coated with a cementious coating.
 - Multiple coats and hand finishing are options if the product requires it.

Typical Physical Properties of Cutting Edge Coatings

Property	Unmodified Cement	Polymer Modified Coating
Tensile Strength (psi)		
28 Day Air Cure	235	855
28 Day Wet Cure	535	
Compressive Strength (psi)		
28 Day Air Cure	2390	5720
28 Day Wet Cure	5795	
Flexural Strength (psi)		
28 Day Air Cure	610	1890
28 Day Wet Cure	1070	
Shear Bond Adhesion (psi)		
28 Day Air Cure	45	655
28 Day Wet Cure	185	
Impact Strength (in. lbs)		
28 Day Air Cure	6	21
28 Day Wet Cure	7	

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