



# PMG® Aqua-Plas® IV

Piedmont Marine Grade® Aqua-Plas® IV is an expanded plastics wood composite with an integral hard skin surface. Closed-cell structure makes it impervious to moisture that causes swelling, rot and delamination in lumber and paper products.

## Product Line

- Aqua-Plas® I Ultra
- Aqua-Plas® II
- Aqua-Plas® III Ultra LG
- Aqua-Plas® V
- Aqua-Plas® Flex
- Aqua-Steel®
- Endurabond™
- StarBoard® Products
- PMG® Ultra™
- PMG® Plus
- PMG® Acrylic Mirror
- PMG® SB™ (Solar Block)
- PMG® HR™ (Heat Reflective)
- AquaGlas®
- Makrolon® M5, AR, VR
- O'Sea™
- Regalite™

**natural solutions®**  
opportunities for you to go green



Contact us today!

800.277.7898 Toll Free | 704.597.8200  
5010 West W.T. Harris Blvd. | Charlotte, NC 28269

 **Piedmont Plastics®**

where solutions take shape  
[www.piedmontplastics.com](http://www.piedmontplastics.com)

## Technical Properties

Property	Units	Test Method	12 mm White	19 mm White	19 mm Tan
Specific Gravity	g/cm <sup>3</sup>	ASTM D792	0.62 - 0.66	0.46 - 0.50	0.70 - 0.75
Shore D Hardness	D	ASTM D2240	50	55	60
Water Absorption	%	ASTM D570	0.15	0.20	0.25
Flexural Modulus	psi	ASTM D790	140,000	130,000	180,000
Flexural Strength @ Yield	psi	ASTM D790	3,500	2,800	3,800
Nail Hold	lbf/in	ASTM D1761	65.4	70.7	109.0
Screw Holding Strength	lbf/in	ASTM D1761	380	401	749
Coefficient of Linear Expansion	in./in./°F	ASTM D696	3.5 x 10 <sup>-5</sup>	3.5 x 10 <sup>-5</sup>	2.5 x 10 <sup>-5</sup>
Heat Distortion Temperature	°F	ASTM D648	140 - 150	135 - 145	145 - 155
Weight	lbs/cu/in		0.02235 - 0.02345	0.01633 - 0.01775	0.02485 - 0.02663

## Product Availability

### Surface

Smooth  
Matte  
Wood grain pattern

### Thickness

10 mm ( $\frac{3}{8}$  in)  
12 mm ( $\frac{1}{2}$  in)  
16 mm ( $\frac{5}{8}$  in)  
19 mm ( $\frac{3}{4}$  in)  
25 mm (1 in)  
30 mm ( $1 \frac{1}{16}$  in)

### Sizes

48" x 96"

Piedmont Plastics® has your marine solutions. Complete all of your projects from block out panels to bulkheads with our line of substrates and accessories. Piedmont carries a comprehensive assortment of the best brands and breadth of products to service your plastic needs. With over 45 years of industry experience, Piedmont is a leading supplier of plastic sheet, rod, tube, and film throughout North America.



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