



Molded Polyurethane

Product Data & Material Specifications



Product Description

Decoro Polyurethane products are molded, high density, and rigid composite accents designed to replicate the look of natural materials. Products are constructed of %98 closed cell polyurethane foam which will not rot, are suitable for below grade applications, and are factory primed.



Typical Uses

Interior and exterior non-structural applications such as:

- Standing and Running Trim
- Entry Way Trim and Accents
- Louvers & Gable Vents
- Decorative Millwork
- Cornices and Brackets
- Balustrades



Limitations

- Not intended for load bearing applications
- Combustible materials



Finishing Data

Standard Option: Exterior Primer suitable as interim protective barrier coat; resistant to UV degradation; suitable for oil or latex coatings; should be field coated with exterior grade coating

Primer SW E60WJ520 - Accelerated Weathering	
Initial ASTM D523 Gloss	3.0
ASTM D50 - 523hr	3.2
ASTM D150 - 523hr	3.2



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Humidity Resistance w/24hr recovery before ASTM3359	
Initial ASTM D3359	0%
ASTM D50 – 3359hr	0%
ASTM D150 – 3359hr	<%5

Custom Option: Factory Finished with SW coatings, ready for field installation



Testing Data

Density	16pcf
Hardness	40D
Thermal Expansion	.0003in/in-F
Screw Withdrawal	143 lbs
Adhesive	Loctite PL Premium recommended

Uniform Wind Load ASTM E330	
Structural Load Test	
Positive Load	112.5 psf
Negative Load	112.5 psf
Uniform Design Load Test	
Positive Load	150.0 psf
Negative Load	150.0 psf
Uniform Structural Load Test	
Positive Load	225.0 psf
Negative Load	225.0 psf

Outdoor Durability Test	4500 hrs
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Surface Burning Characteristics ASTM E84	
Flame Spread Index	20
Smoke Developed	225
Self-ignition Temperature ASTM D96-1929	
Min Above °650F	940°F

Recommended Installation Methods

Wood or LG Metal Locations

Ensure product is mechanically secured to building structure, installer to provide wall blocking as needed. Bedding surfaces to use PL Premium construction adhesive. Fasteners recommended to be min #10ga stainless steel at 16" OC, and countersunk. Fill heads with Bondo or similar body filler, sand smooth and spot prime before finish paint.

Masonry Locations

Ensure product is mechanically secured to building structure. Bedding surfaces to use PL Premium construction adhesive. Fasteners recommended to be Tapcon or similar at 16" OC, and countersunk. Fill heads with Bondo or similar body filler, sand smooth and spot prime before finish paint.