

steel panels

ALPOLIC® Steel Panels are metal composite materials which can be used in a variety of applications. The panels are manufactured with two galvanized steel (G90) skins coated with durable polyester paint. These skins are continuously bonded to a low density foamed polyethylene core and the result is a very lightweight and rigid panel that can be used as a structural component in various applications. One primary application is for truck trailers due to the weight savings without the impact resistance loss.

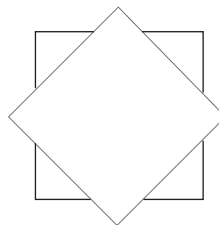


APPLICATIONS

- Truck Trailer
- Box Trailer
- Storage Containers
- Industrial

GENERAL INFORMATION

ALPOLIC® Steel Panels are manufactured in Chesapeake, VA and ready for stocking to your specific requirements. Replace your existing traditional materials for a lighter weight, higher rigidity, and more durable composite material for cost reduction and added value.



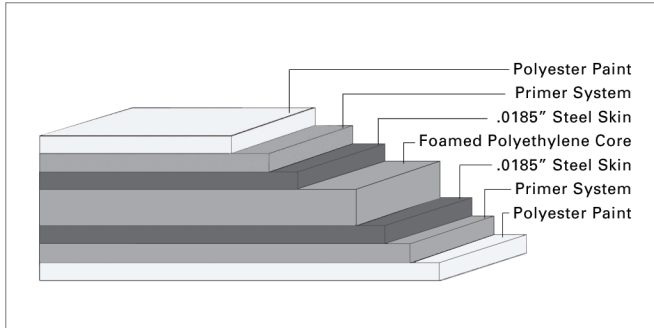
POLAR WHITE
8-8DPW-G70

ALPOLIC® steel panels

INTERIOR AND EXTERIOR MATERIALS

SURFACE TREATMENT

ALPOLIC® steel panels are available with a durable polyester finish on both sides of the panel. Stock coil is Polar White. Other colors and paint types available for order upon request.



STANDARD PANEL SIZE

Standard stock coil width is 48". Panels manufactured in 8mm thickness and 10' lengths. Custom thicknesses and lengths available upon request. Please contact Customer Service for additional information

FINISH TOLERANCE

Color: DE 1.0 max from standard
Gloss: Nominal +/- 10 units

PRODUCT TOLERANCE

Width: $\pm 0.08"$ (2mm)
Length: $\pm 0.16"$ (4mm)
Thickness: 8mm $\pm 0.016"$ (0.4mm)
Bow: maximum 0.5% of length and/or width
Squareness: maximum 0.2" (5mm)
Maximum Weight: 2.6 lb/ft²

ALPOLIC® material is trimmed and squared with cut edges to offer the best panel edge conditions in the industry.

MECHANICAL PROPERTIES

Parameter	Method	Typical value
Peel Bond Strength:	ASTM D1781	
Fresh		100 in*lb/in
Water immersion 21 day		100 in*lb/in
Freeze Thaw		100 in*lb/in
Mean Flexural Modulus of Elasticity:	ASTM C393	1,458,374 psi
Mean Flexural Rigidity:	ASTM C393	3,650 in*lb/in
Mean Yield Strength:	ASTM E8	6800 psi
Mean Tensile Strength:	ASTM E8	7900 psi
Mean Elongation:	ASTM E8	33%

WARRANTY

Standard panel warranty: 10 Years
Call ALPOLIC® Customer service for exclusions and warranty details.

PRODUCT NOTES

- Panels should be stored in a dry, indoor environment
- For fabrication details please contact the ALPOLIC® Technical department.

FOR TECHNICAL INFORMATION, PLEASE
CALL 1.800.422.7270

U.S. HEADQUARTERS

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