



PEMCO P5101

Non-Sag Polyurethane Adhesive

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Product Overview: PEMCO P5101, manufactured by Alpha Systems, is a one-part, non-sagging, structural adhesive that exhibits superb adhesion to wood, metal, glass, and most other common construction substrates. As a foaming polyurethane product, PEMCO 5101 exhibits unmatched gap-filling properties not found in other adhesives, and is well-suited for use in vertical applications.

Product Uses: PEMCO P5100 is traditionally used in the manufactured housing industry. It was used for the evaluation of sheathing materials on a standard wood frame as described in ASTM E 72-80, Section 14 Racking Load. A shear design, per the Manufactured Home Construction and Safety Standards, of 380 PLF can be obtained from a one-sided shear wall constructed with PEMCO P5100 (front panel) and a 1/8" bead of PEMCO 5101 (back panel). This wall was constructed using 2 X 3 STUD grade S.P.F. top plate and a 1 X 3 UTILITY grade S.P.F. bottom plate. The studs were 24 inches on center with 2 X 3 STUD grade S.P.F. at 48" o.c. at panel edges and 1 X 3 UTILITY grade S.P.F. studs at 48" o.c. at the intermediate panel spacings. Please reference test report NTA961029-1.

Technical Information:

Raw Material Base	Polyurethane	MDI Release (VOC)	0.000000000457 lbs/gal
Open Time	6 – 8 minutes	Application Temp. Range	40° – 115°F
Set-Up Time	45 minutes	Color	Brown
Specific Gravity	1.1– 1.15	Manufactured State	Tubes
Solids	100%	Shelf Life	12 Months

Application Information: During the "open time" (while the moisture in the wood is causing the polyurethane adhesive to foam), 6 to 8 minutes are available to position the required drywall panels or floor decking before fastening as required. The fastened panels can be handled immediately.

Safety Instructions: No special requirements are needed. Consult the product SDS for detailed safety information.

Contact Us: For more information regarding this product and others, please contact us at:

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