
Technical Data Sheet

PEMCO ADHESIVE P5100

TYPICAL USES AND CHARACTERISTICS: PEMCO ADHESIVE P5100 is a 100% solids (zero V.O.C.), one component, moisture cure, polyurethane adhesive developed and manufactured by Pemco Adhesives, an Alpha Systems company. While curing, P5100 "foams up" thus creating unmatched gap-filling properties not found in other adhesives.

Pemco P5100 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 327.8 PLF can be obtained from a one-sided shear wall constructed with Pemco P5100. An evaluation of adhesives for structural use in the manufactured housing industry per California CA 25-4 shows that Pemco P5100 passed all tests as specified in the California CA 25-4 standard.

The utilization of the Alpha polyurethane system allows homebuilders to quickly apply two-1/16" diameter beads of P5100 polyurethane adhesive to the required framework. During the "open time" (while the moisture in the wood is causing the polyurethane adhesive to foam), 15 to 20 minutes are available to position the required drywall panels or floor decking before fastening as required. The fastened panels can be handled immediately.

TYPE: Urethane

COLOR: Brown

MDI RELEASE (V.O.C.): 0.00000000457 lbs/gal

SOLIDS: 100%

NET WEIGHT: 9.4 lbs/ gal

SHELF LIFE: 6 months

APPLICATION TEMPERATURE: 40°F to 115°F (Curing time will vary with temperature and humidity.)

STORAGE TEMPERATURE: 50°F to 90°F. (Viscosity increases substantially below 60°F.)

CURING CHARACTERISTICS (75F & 50% RH):

- 20 minutes open time.
- Handling of "fastened" walls is acceptable at any time.
- 45 minutes set-up time.