



CHEMTRON

MAKERS OF ADHESIVES, SEALANTS, AND RELATED
PRODUCTS SINCE 1958.

PU1000

Modified Polyurethane Adhesive

- TECHNICAL DATA SHEET -

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Single-Component Elastomeric Adhesive/Sealant

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PRODUCT DESCRIPTION

PU1000 is a high-quality adhesive based on modified polyurethanes.

Basic Uses

PU1000 has been developed for use in commercial construction including subfloor assembly, interior drywall installation, SIPS panels, EIFS systems, landscaping bricks/blocks and natural stone. This adhesive has excellent long-term resistance to weathering, water, acids and solvents.

Features & Benefits

- 3 times stronger than conventional construction adhesives for a superior bond
- 1 24-ounce can does the job of 6 to 10 28-ounce tubes (based on element's construction)
- Large reductions in cost and waste – no more bulky tubes filling up in dumpsters
- 20-minute set time (can be adjusted)
- Aggressive adhesion for general construction and landscaping applications
- Can be applied at low temperatures
- Good adhesion to a wide range of substrates, reducing the need to carry multiple products, simplifying ordering and inventory control

Availability

PU1000 is immediately available from your Chemtron or Tremco Sales Representative, distributor or warehouse.

Substrate Preparation

Substrates should be clean, dry and free from dust, dirt, wax, oil and other substances likely to impair adhesion.

Priming

No priming is required on recommended substrates.

Application

Apply straight 1/4 to 3/8" (6.4 to 9.5 mm) bead of adhesive to one surface of the material. Apply on approved substrates only. Press the surfaces firmly together within 3 to 10 minutes.

Clean Up

Immediately remove all excess adhesive. Cured adhesive may be removed using sharp-edged tool or mechanical abrasives. Clean up should be done with solvents such as MEK, xylol or chlorinated solvents. Observe manufacturers' precautions when using flammable solvents.

TYPICAL PHYSICAL PROPERTIES

Property

TEST METHOD

TYPICAL VALUES

Property	TEST METHOD	TYPICAL VALUES
Packaging	N/A	24 oz (667 ML) can
Color	N/A	Golden beige
Shelf Life	N/A	12 months
Application Temp	N/A	20 to 95 °F (-6.6 to 35°C)
Tack Free Time (1" [25.4 mm] width at 23°C [73.4 °F])	ASTM C679	8 min
Open Time (23 °C [73.4 °F] at 50% RH)	N/A	8 to 10 min
Repositioning Time	N/A	8 to 10 min
Adhesion (Tensile Strength)	ASTM D3498	
• Dimensional Treated Lumber	ASTM D3498	250 psi
• Pine – Dry (48 hr at 37.8 ± 2.8 °C [100 ± 5 °F])	ASTM D3498	204 psi
• Pine – Wet (2 hr soak in water)	ASTM D3498	163 psi
• Pine – Frozen (48 hr at -17.8 ± 2.8 °C [0 ± 5 °F])	ASTM D3498	333 psi
• OSB	ASTM D3498	263 psi
• Plywood	ASTM D3498	310 psi
• Dry wall	ASTM D3498	300 psi
• Rigid foam insulation	ASTM D3498	Extreme cohesive failure
• Concrete - Dry (37.8 ± 2.8 °C [100 ± 5 °F])	ASTM D3498	Extreme substrate failure
• Stone	ASTM D3498	Extreme substrate failure
• Metal studs to drywall	ASTM D3498	Extreme cohesive failure
• Metal – Dry (37.8 ± 2.8 °C [100 ± 5 °F])	ASTM D3498	142 psi

WARRANTY

Chemtron International, Inc. warrants its Products to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Chemtron makes no other warranty, expressed or implied including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Chemtron Products. Chemtron's sole obligation shall be, at its option, to replace or refund the purchase price of the quantity of Chemtron Products proven to be defective, and Chemtron shall not be liable for any loss or damage.

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