



ELASTO-THANE 230

JOINT SEALANT

1. PRODUCT NAME

ELASTO-THANE 230

ELASTO-THANE 230 is a one-part, gun-grade, non-staining, polyurethane sealant which cures at ambient temperature to a firm, flexible tear-resistant rubber. It is highly resilient and has excellent recovery characteristics after extended periods of compression or elongation.

2. MANUFACTURER

PACIFIC POLYMERS INTERNATIONAL, INC.
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3. PRODUCT DESCRIPTION

Composition: Polyurethane based joint sealant.

Basic Uses: For sealing and caulking all joints that are subject to contraction and expansion. Bonds to concrete, wood, glass, and metal.

Limitations: Containers that have been opened must be used up within one or two days since it is a moisture-reactive material. It sets up when exposed to air. All surfaces must be completely free of foreign matter. **White color may discolor from exposure to U.V. and also from fluorescent light.**

Colors: Concrete Grey, Aluminum Grey, Limestone, White, Tan, Off-White

Sizes: Available in 5-gallon pails, 10.5 oz. cartridges and 20.3 oz. (600ml) sausages

Standard: Federal Specification TT-S-230c. Type II, Class A.

ASTM C-920-87, Type S, Class 25, Use NT,M, and A.

WARNINGS AND HAZARDS:

Before using the products, always refer to MSDS for important warnings and safety information. Use only in areas with adequate ventilation. Avoid breathing vapors. Keep away from heat and flame. Avoid contact with eyes and skin. In the event of skin contact, remove immediately and wash with warm,

soapy water. Wear suitable eye protection. Always wash hands before eating.

4. TECHNICAL DATA

(See Page 3 for technical data.)

5. INSTALLATION

Joint Design: Suitable for all properly designed joints following accepted engineering practices. Joint width must be a minimum of 4 times the anticipated movement.

Surface Preparation: All joints must be absolutely clean. For concrete, sandblasting is recommended. All curing compounds, old caulks, grease, waterproofing compounds, etc., must be removed. For non-porous surfaces such as glass, metal, etc, cleaning with M.E.K. or Toluene is recommended. Polyethylene rod or polyurethane foam is recommended as a joint-filler and back-up material. Fillers treated with bituminous products, grease or oil, should not be used. Where present, they must be removed or separated by vinyl tape or polyethylene film. Some surfaces may require the DECK-THANE PRIMER.

Application: Apply by caulking gun, hand-pressure-type, or pour from container. Bulk sealant can be applied by pumping equipment, trowel or putty knife. Press firmly into joint to assure good contact to the sides of the joint. Best if applied at temperatures below 100°F.

6. AVAILABILITY AND COST

ELASTO-THANE 230 is supplied through building material dealers. Prices vary with quantity and packaging. Quotations are made on request.

These products are designed and manufactured to be installed by professional installers familiar with surface preparation and application procedures. All others should consult a professional installer; those who choose to install these products without professional assistance do so at their own risk.

Linear Feet Per Gallon of ELASTO-THANE 230

	mm	6.4	9.5	12.7	15.9	19	22.2	25.4
DEPTH OF JOINT IN MILLIMETERS	6.4	24.8	16.5	12.4	9.9	8.2	7.1	6.2
	9.5	.....	10.9	8.2	6.6	5.5	4.7	4.1
	12.7	.....	.....	6.2	4.9	4.1	3.5	3.0
Linear Meter per Liter								

4. TECHNICAL DATA – ELASTO-THANE 230

PROPERTY	TEST METHOD	RESULTS
Consistency Type II	ASTM C-920	Non-Sag
Service Temperature Range	---	-40°F (-40°C) to 180°F (82.2°C)
Tackfree Time at 77°F (25°C); 50% R.H.	Fed. Spec. TT-S-230c	16-24 hrs.
Movement Capability	ASTM C-719	±25%
Tensile Strength at 77°F (25°C)	ASTM D-412	250 psi
Rheological (sag in vertical displacement) at 120°F (49°C)	ASTM C-639	No sag
Extrudability	ASTM C-603	2 seconds
Weight Loss, after heat aging	ASTM C-792	9%
Cracking and Chalking, after heat aging	ASTM C-792	None
Stain and color change	ASTM C-510	Passes (no visible stain)
Bond Durability (±25% movement) (On glass, aluminum concrete)	ASTM C-719	No Failure
Accelerated Weathering	ASTM C-793	No physical damage
Cure Time at 77°F (25°C); 50% R.H.	Observed	4-7 days
% Elongation	ASTM D-412	500%
Shrinkage	---	Negligible
Hardness (Shore A)	ASTM D-2240	25±5
Weight Per Gallon	---	12.0±0.5 lbs.(5.4±0.2 kg)
V.O.C. Content	ASTM D-2369-98	30 gr/liter