ELASTO-THANE 200

JET FUEL RESISTANT JOINT SEALANT

1. PRODUCT NAME

ELASTO-THANE 200

ELASTO-THANE 200 is a two-part, self-leveling jetfuel resistant polyurethane sealant which cures to a soft, flexible tear-resistant rubber. It is highly resilient and has excellent recovery characteristics after extended periods of compression or elongation. The **ELASTO-THANE 200** is a bitumen extended product.

2. MANUFACTURER

PACIFIC POLYMERS INTERNATIONAL, INC.
12271 Monarch Street
Garden Grove, CA 92841
714/898-0025
FAX (714) 898-5687

3. PRODUCT DESCRIPTION

Composition: Two-component, cold applied, polyurethane based joint sealant, modified with bitumen.

Basic Uses: For sealing joints in airfield runways, parking aprons and other areas where joints may be subjected to fuel spillage.

Limitations: Containers of Component B 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.

Shelf Life: 1 year at 77°F (25°C)and 50% R.H.

Colors: Black only.

Sizes: 1.5 gallon kits – Type H
10 gallon kits – Type M
Weighs 10 lbs. per gallon (4.5 kg/gallon)

Standards: Conforms to Federal Specification SS-S-200D.

Type H, suitable for hand mixing and application. 1 hour potlife.

Type M, designed for application with an automatic proportioning and mixing machine. Potlife 5 minutes.

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 joints, sandblasting is recommended. All curing compounds, old caulks, grease, waterproofing compounds, etc., must be removed. 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.

All concrete surfaces must be primed with DECK-THANE PRIMER.

Application: Apply by hand application or special mixer applicator for the Type M.

6. AVAILABILITY AND COST

Prices vary with quantity and packaging. Quotations are made upon 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.

7. PRODUCT WARRANTY

Satisfactory results depend not only upon quality products but also upon factors beyond our control; methods of application and site conditions are examples of such factors and can affect product performance. This warranty consequently extends only to products installed in strict accordance with the manufacturer's specifications. It is the users responsibility to satisfy himself, by his own information and tests, of the suitability of the product for his own intended use; user assumes all risk and liability resulting from his use of the product. The substrate to which the product is applied must be sound structurally and otherwise. Structural or substrate failures or imperfections resulting in damage to or failure of the product are not covered by this warranty. Since the use of the product is beyond the control of the manufacturer, the manufacturer assumes no liability for misapplication and misuse of the product.
This warranty does not cover consequential damages, nor does it cover the labor attendant to replacing product in the event of a product failure. The warranty only extends to replacement of the product itself.

All products proven to be defective in manufacture will be replaced at no charge. Since the use of these products is beyond our control we cannot assume any risk or liability for results obtained, nor can we accept damages in excess of the purchase price of these products.

8. MAINTENANCE

If **ELASTO-THANE 200** is damaged, and the joint has not been contaminated, it can be repaired by cutting out that part and resealing it with **ELASTO-THANE 200** Type H.

9. TECHNICAL SERVICES

All of the latest updates to product data and specifications are available at the Pacific Polymers International, Inc. website at www.pacpoly.com. Since product data and specifications change, it is the users responsibility to make certain the most current versions of product data and specifications are being used.

Technical assistance can be obtained by contacting:

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4. TECHNICAL DATA (ELASTO-THANE 200)

PROPERTY	TEST METHOD or STANDARD	RESULTS
Consistency	Fed. Spec. SS-S-200d	Self-Leveling/Pourable
Potlife at 77°F (25°C)	Fed. Spec. SS-S-200d	
Type H	>1 hour	Passes (2 hours)
Type M	---	Passes (5 minutes)
Tackfree time at 77°F (25°C)		
Type H	12 hours maximum	Passes (12 hours)
Type M	<3 hours	Passes (1 hour)
Cure time		
Type H	---	48-72 hours
Type M	---	24 hours
Weight per gallon		
A-Component	---	9.77 pounds (4.43 kg)
B-Component	---	8.44 pounds (3.83 kg)
Hardness	ASTM D-2240	10 Shore "A"
Elongation	ASTM D-412	1000%
Bond to concrete, water immersed -20°F (-29°C)	Same as nonimmersed	Passed
Flame Resistance	Shall not support combustion, flow, harden, or lose adhesive strength.	Passed
Resilience	Fed. Spec. SS-S-200d	
Unaged		
Percent	Minimum of 75%	86%
Initial Indentation	0.05-0.20 cm	0.17 cm
Aged		
Percent	Minimum of 75%	88%
Initial Indentation	0.05-0.20 cm	0.15 cm
Bond to concrete (nonimmersed) -20°F (-29°C)	No surface cracking, separation, or other opening in the sealant. No hardness loss, or loss of rubber-like characteristics in the sealant.	Passes
Bond to concrete (fuel immersed) -20°F (-29°C)	No surface cracking, separation, or other opening in the sealant. No hardness loss, or loss of rubber-like characteristics in the sealant.	Passes
Change in weight by fuel immersion	Shall not exceed 5.0% of the initial weight	2.5%
Change in volume on exposure to high temperature, 158°F (70°C), 168 hours	Shall not exceed 5.0% of the initial volume	1.5%
Viscosity	Brookfield Viscometer	
A-Component		80±10 poises
B-Component		50±10 posies
V.O.C. Content	ASTM D-2369-98	0.0 gr./liter