



TECHNICAL DATA

COATINGS SEALANTS MEMBRANES POLYUREAS EPOXIES PRIMERS

ELASTO-THANE 200 JET FUEL RESISTANT JOINT SEALANT



SPEC'L
EQUIP

PRODUCT DESCRIPTION:

ELASTO-THANE 200 is a two-part, self-leveling jetfuel resistant cold applied, polyurethane based joint sealant, modified with bitumen, 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. ELASTO-THANE 200 is a bitumen extended product.

TYPE M: Machine Mix, 5 minute potlife.

TYPE H: Hand Mix, 1 hour potlife.

MANUFACTURER:

PACIFIC POLYMERS INTERNATIONAL, INC.
12271 Monarch Street
Garden Grove, CA 92841 USA
714/898-0025 FAX (714) 898-5687
<http://www.pacpoly.com>

BASIC USES:

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

COLOR:

Black only.

SIZES:

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

STANDARD:

Conforms to Federal Specification SS-S200D.

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.

INSTALLATION:

JOINT DESIGN: Suitable for all properly designed joints following accepted engineering practice. Joint width should 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.

TECHNICAL SERVICES:

All of the latest updates to product data and specifications are available at the company website. 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.

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.

AVAILABILITY AND COST:

ELASTO-THANE 200 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.

TECHNICAL DATA - ELASTO-THANE 200



PROPERTY	TEST METHOD OR STANDARD	RESULT
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 (Unaged and Aged)	Fed. Spec. SS-S-200d	
Percent	Minimum of 75%	86%
Initial Indentation	0.05-0.20 cm	0.17 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 poises
V.O.C. Content	ASTM D-2369-98	0.0 gr./liter
Shelf Life		1 year
(when stored indoors in cool and dry location at 77°F (25°C) in unopened containers)		



LINEAR FEET PER GALLON (LINEAR METERS PER LITER)

DEPTH	JOINT DIMENSIONS		WIDTH				
	1/4" 6.4mm	3/8" 9.5mm	1/2" 12.7mm	5/8" 15.9mm	3/4" 19mm	7/8" 22.2mm	1" 25.4mm
1/4"	308	205	154	123	102	88	77
6.4mm	24.8	16.5	12.4	9.9	8.2	7.1	6.2
3/8"		136	102	82	68	58	51
9.5mm		10.9	8.2	6.6	5.5	4.7	4.1
1/2"			77	61	51	44	38
12.7mm			6.2	4.9	4.1	3.5	3.0
5/8"				41	39	35	30
15.9mm				3.9	3.3	2.8	2.4
3/4"					34	29	25
19mm					2.7	2.3	2.0
7/8"						25	22
22.2mm						2.0	1.8
1"							19
25.4mm							1.5

** These calculations are based upon theoretical data which may vary from your application.

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 damage in excess of the purchase price of these products.