ELASTO-SEAL 200

JET FUEL - JET BLAST RESISTANT JOINT SEALANT

1. PRODUCT NAME

ELASTO-SEAL 200

ELASTO-SEAL 200 is a two-part, self-leveling, jetfuel resistant polysulfide 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 expansion.

2. MANUFACTURER

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

3. PRODUCT DESCRIPTION

Composition: Polysulfide based, coaltar modified joint sealant.

Basic Uses: For sealing joints on airfield runways, parking aprons and other areas where joints may be subject to fuel spillage and jet blast.

Shelf Life: 1 year at 77 deg. F (25^{0}C) and 50% R.H. in unopened containers.

Colors: Black only.

Sizes: Available in 1.5, 10, & 110 gallon kits. Weighs 12.25 lbs/5.6 kgs per gallon.

Standard: Meets Federal Specification SS-S-200E.

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 practice.

Joint width should be a minimum of 4 times the anticipated movement.

Surface Preparation: No primers are normally required, but joints must be absolutely clean and dry. Sandblasting is recommended for concrete substrates. All curing compounds, old caulks, grease, waterproofing compounds, etc., must be removed. Polyethylene rod or polyurethane foam is recommended as a joint-filler and backup 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.

Application: The **ELASTO-SEAL 200** Handmix may be mixed with a low speed drill and suitable mixing paddle and poured directly from the container.

The **ELASTO-SEAL 200** Machine Mix must be applied by a special plural component mechanical mixer which properly proportions the material.

6. AVAILABILITY AND COST

ELASTO-SEAL 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.

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 damage in excess of the purchase price of these products.

8. MAINTENANCE

If **ELASTO-SEAL 200** is damaged, and the joint has not been contaminated, it can be repaired by cutting out the effected area and resealing it with **ELASTO-SEAL 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-SEAL 200

Property	Method	Result
Hardness Shore "OO"	A.S.T.M. D-2240	50 ± 5
Elongation	A.S.T.M. D-412	700%
Potlife at 77°F (25°C)		50 +/- 5 minutes
Cure Time at 77°F (25°C)		24 hours
Consistency		Self Leveling
V.O.C. Content	A.S.T.M. D-2369-98	0.0 gr/liter

FEDERAL SPECIFICATION SS-S-200E

Property	RESULT	REQUIREMENT TYPE M	REQUIREMENT TYPE H
Brookfield Viscosity (poise @ 77°F)			
Component A	350 +/- 50	2000 Max	1500 Max
Component B	250 +/- 50	2000 Max	1500 Max
Tack Free Time	90 - 120 minutes	3 hrs. Max	12 hrs. Max
Accelerated Aging 21 Days at 120°F (49°C)			
Component A	Passes	No settling separation	No settling separation
Component B	Passes	or hardening	or hardening
Self Leveling			
Component A	No change	1/8" (3 mm) Max	1/8" (3 mm) Max
Component B	No change	1/16" (1.6 mm) Max	1/16" (1.6 mm) Max
Change in Weight 24 hr in Test Fuel at 120°F (49°C)	1.14%	± 2%	± 2%
Change in Volume 168 hr at 158°F (70°C)	1.65%	± 5%	± 5%
Resilience Test %			
Unaged			
Initial Penetration, cm	0.06	0.05 to 0.20	0.05 to 0.20
Resilience %	94	75 Min.	75 Min.
Conditioned 168 hr at 158°F (70°C)			
Initial Penetration, cm	0.06	0.05 to 0.20	0.05 to 0.20
Resilience %	94	75 Min.	75 Min.
Artificial Weathering 160 hr at 140°F (60°C)	Passes	No breakdown of cure, or reversion to mastic, blister or deformities	No breakdown of cure, or reversion to mastic, blister or deformities
Change in Volume	1.68	± 5%	±5%
Bond Test at -20°F (-28°C) 3 Cycles, 50% Extension			
Non Immersed	Passes	No adhesive or cohesive	No adhesive or cohesive
Fuel Immersed	Passes	failure; no cracking or	failure; no cracking or
Water Immersed	Passes	crazing	crazing
Flame Resistance	Passes	No ignition, hardening, separation or flow	No ignition, hardening, separation or flow
Flow (after 5 hrs at 200°F)(93.3°C)	None	No flow, cracking, sag or dimensional change	No flow, cracking, sag or dimensional change