



ELASTO-SEAL 200

JET FUEL-JET BLAST RESISTANT JOINT SEALANT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION: SPECIFICATION

Pacific Polymers® ELASTO-SEAL 200 is a two-part, self-leveling, jet fuel resistant polysulfide joint sealant. It is coal tar modified and cures to a soft, flexible tear-resistant rubber. It is highly resilient and has excellent recovery characteristics after extended periods of compression or expansion.

BASIC USES:

Sealing joints on airfield runways, parking aprons and other areas where joints may be subject to fuel spillage and jet blast.

TYPICAL PROPERTIES:

PROPERTY	TYPICAL RESULTS
Mix Ratio	1:1 by volume
Pot Life @75°F (25°C)	50 ± 5 minutes
Color	Black
Shore "00" Hardness (ASTM D2240)	50 ± 5
Cure-Time at 77°F (25°)	24 hours
Tack Free Time at 77°F (25°)	3 hours
Viscosity:	
A Component	1000 - 2000 cps
B Component	1000 - 2000 cps
V.O.C.	71 g/L, EPA Method 24
Flash Point	250°F (121.11°C)
Weight per Gallon:	
A Component	11.4lbs/ gal
B Component	13.9 lbs/ gal
Consistency	Self-Leveling
A Component	1/8" (3mm)
B Component	1/16" (1.6mm)
Bond Test-20°F (-28°C) 3 Cycles, 50% Extension	
Non Immersed	All pass, No adhesive or cohesive failure; no cracking or crazing
Fuel Immersed	
Water Immersed	
Accelerated Aging (21 Days)	
A Component	No settling, separation or hardening
B component	
Artificial Weathering 160 hrs @ 140°F (60°C)	No breakdown of cure, or reversion to mastic, blister or deformities
Change in weight/ volume 24hr in fuel @ 120°F (49°C)	±2%/ ±5%
Flow (5 hrs @ 200°F (93.3°C))	No flow, cracking, sag or dimensional change
Flame	No ignition, hardening, separation or flow
Elongation at Break (ASTM D412)	700% ± 10%
Initial penetration/ resilience (un-aged)	0.06cm/ 94%
** The shelf life for an unopened container stored at temperatures between 60°F (15.6°C) and 95°F (35°C) is 1 year from date of manufacture. Store out of direct sunlight in a cool, well-ventilated area. Avoid storing container directly on the floor or against an outside wall	

COMPLIANCE:

Pacific Polymers® ELASTO-SEAL 200 is manufactured to comply with the following:

Federal Specification SS-S-200E

INSTALLATION:

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

TEMPERATURE CONSTRAINTS:

- Minimum application temperature is 40°F (4°C) and rising and more than 5°F above dew point.
- Contact Technical Service when substrates are over 90°F (32°C) or under 40°F (4°C).
- Avoid application when inclement weather is present or imminent.
- Do not apply to damp, wet, or contaminated surface

WARNINGS AND HAZARDS:

- Before using the products, always refer to SDS 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.

AVAILIBLTY AND COST:

- **ELASTO-SEAL 200** is supplied through building material dealers.
- 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.
- **SIZES: Machine Mix only, 10 gallon kit**

MAINTENANCE: If **ELASTO-SEAL 200** is damaged, and the joint has not been contaminated, it can be repaired by cutting out the affected area and resealing it. The joint shall require sanding and/or grinding to remove the existing sealant completely to achieve proper adhesion.

TECHNICAL SERVICE

All of the latest updates to product data and specifications are available at www.pacpoly.com. Since product data and specifications change, it is the user’s responsibility to make certain the most current versions of product data and specifications are being used.

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 USER’S 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.

Complete technical information is available from
ITW Polymers Sealants North America, Inc.

Table 1: Linear Feet Per Gallon (meter/ liter) of ELASTO-SEAL 200

Width of Joint, inches (mm)								
Depth of Joint, inches (mm)		¼" (6.4mm)	3/8" (9.5mm)	½" (12.7 mm)	5/8" (15.9 mm)	¾" (19 mm)	7/8" (22.4 mm)	1" (25.4 mm)
	¼" (6.4mm)	308 (24.8)	205 (16.5)	154 (12.4)	123 (9.9)	102 (8.2)	88 (7.1)	77 (6.2)
	3/8" (9.5mm)	.....	136 (10.9)	102 (8.2)	82 (6.6)	68 (5.5)	58 (4.7)	51 (4.1)
	½" (12.7 mm)	.....	.....	77 (6.2)	61 (4.9)	51 (4.1)	44 (3.5)	38
	5/8" (15.9 mm)	.....	.....	.....	41	39	35	30
	¾" (19 mm)	.....	.....	.....	.....	34	29	25
	7/8" (22.4 mm)	.....	.....	.....	.....	.....	25	22
	1" (25.4 mm)	.....	.....	.....	.....	.....	.....	19