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# **PACIFIC POLYMERS**

# **ELASTO-DECK B.T. KNIFEGRADE**

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## **JOINT SEALANT**

### **1. PRODUCT NAME**

#### **ELASTO-DECK B.T. KNIFEGRADE**

**ELASTO-DECK B.T. KNIFEGRADE** is a single-component, non-sag, modified, 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 expansion.

### **2. MANUFACTURER**

ER SYSTEMS (An ITW Company)  
12271 Monarch Street  
Garden Grove, CA 92841  
Tel: 1-800-888-8340  
Fax: 714-898-5687

### **3. PRODUCT DESCRIPTION**

**Composition:** Single-component, moisture cured, modified, polyurethane joint sealant.

**Basic Uses:** Used to caulk cracks, around penetrations, and corners prior to applying the ELASTO-DECK B.T. membrane systems. Bonds to concrete, wood 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 free of all foreign matter. Primers may be necessary in certain applications.

**Shelf life:** 6 months at 77°F (25°C) and 50% R.H. in sealed containers.

**Colors:** Black only.

**Sizes:** Available in 5 gallon pails.

**Standard:** Conforms to Federal Specification TT-S-230c.

### **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 reverse side for technical data)

### **5. INSTALLATION**

**Surface Preparation:** All surfaces must be absolutely clean. Sandblasting is recommended for concrete surfaces.

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. Consult our technical department for primer recommendations on specific applications.

**Application:** Apply by caulking gun, hand or pressure type. Bulk sealant can be applied by pumping equipment, trowel or putty knife. Press firmly into joint to assure good contact of the sealant to the sides of the joints. Best if applied above 45°F (8°C).

### **6. AVAILABILITY AND COST**

**ELASTO-DECK B.T. KNIFEGRADE** 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.

## 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-DECK B.T. KNIFEGRADE** is damaged, and the joint has not been contaminated, it can be repaired by cutting out that part and resealing it with **ELASTO-DECK B.T. KNIFEGRADE**.

## 9. TECHNICAL SERVICES

All of the latest updates to product data and specifications are available at [www.pacpoly.com](http://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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**WIDTH OF JOINTT**

	CM	0.6	1.0	1.3	1.6	1.9	2.2	2.5		
<b>DEPTH</b>	.6	94	63	47	38	31	27	23		
	.0	.....	41	31	25	21	18	16		
	1.3	.....	.....	23	19	16	13	11		
	1.6	.....	.....	.....	.....	15	13	10	9	
	1.9	.....	.....	.....	.....	.....	10	9	7	
	2.2	.....	.....	.....	.....	.....	.....	7	6	
	2.5	.....	.....	.....	.....	.....	.....	.....	.....	5
	<b>Linear Meters Per Gallon of ELASTO-DECK B.T. KNIFEGRADE</b>									

#### 4. TECHNICAL DATA

PROPERTY	TEST METHOD	RESULTS
Consistency	Fed. Spec. TT-S-230c	Non-Sag
Tackfree Time at 77°F (25°C), 50% R.H.	Fed. Spec. TT-S-230c	12 hrs.
Cure Time at 77°F (25°C), 50% R.H.	Observed	48-72 hours
Hardness (Shore A)	ASTM D-2240	35±5
% Elongation	ASTM D-412	700%
Tensile Strength	ASTM D-412	400 psi
100% Modulus	ASTM D 412	53 psi
Tear Strength (Die C)	ASTM D 624	60 lb/in
Adhesion to Peel (primed)	Fed. Spec. TT-S-230c	15 pli
Shrinkage	---	Negligible
Weight Loss (Heat Aging)	Fed. Spec. TT-S-230c	0.83%
V.O.C. Content	ASTM D-2369	0.0 grams/liter
Weight Per Gallon	---	9.8 ± 0.2 lbs.
Percent Solids	ASTM D-2369	
by weight		100%
by volume		100%
Resistance to Decay	ASTM D-154	No cracks, crazings, chalking, nor any other decay.
Shelf Life at 77°F (25°C)	---	6 months (in sealed containers)

#### CHEMICAL RESISTANCE (24 hrs spot test @ 75°F)

<u>Solution</u>	<u>Result</u>	<u>Solution</u>	<u>Result</u>
Ammonium Chloride Solution 50%	NE	Lubricating Oils	NE
Calcium Hydroxide 20% solution	NE	Sodium Chloride Solutions 25%	NE
Sodium Hydroxide 50% solution	NE	Acetic Acid 5% conc.	NE
Hexane 20%	NE	Sulfuric Acid 10% conc.	NE
Hydrochloric Acid 10% solution	NE	Water (72 <sup>o</sup> F/22 <sup>o</sup> C)	NE

**\*NE = No Effect**