

# DYNA-SEAL ELASTOMERIC CAULK

## An Elastomeric Sealant Caulk

### PRODUCT DATA SHEET

- **A HIGH PERFORMANCE SEALANT DESIGNED FOR USE IN A WIDE VARIETY OF GENERAL CONSTRUCTION AND ROOFING APPLICATIONS.**
- **RECOMMENDED FOR JOINTS AND SEAMS WHEREVER DISSIMILAR MATERIALS MEET.**

### PRODUCT DESCRIPTION

**DYNA-SEAL ELASTOMERIC CAULK** is a high performance elastomeric sealant which adheres to masonry, wood, asphalt, metal, and vinyl for use in a wide variety of roofing, window, door, siding, trim, architectural metal, and general construction applications. **DYNA-SEAL ELASTOMERIC CAULK** may be applied to damp or oily surfaces even in low temperatures.

### USES and ADVANTAGES

- Adheres to masonry, wood, vinyl, metal, and asphalt.
- Excellent adhesion to all building surfaces even when damp or oily.
- Exceptional elongation and flexibility.
- Expands >800% with full recovery.
- Can be applied at most any temperature.
- Easily applied, non-stringing formulation.
- Will not crack.
- Paintable.
- Mildew-proof.
- Superior ultraviolet resistance.
- Available in clear, white, and gray.

### SURFACE PREPARATION

Priming is not required on most surfaces, however, if adhesion to a particular substrate is in question, a test patch application is recommended. For best results all surfaces being caulked must be clean and structurally sound. All foreign materials such as dirt, dust, oils, grease, soot, loose paint, etc. should be removed. Do not use Xylol or MEK to clean joints or to remove surface coatings, unless the surface can be allowed to dry before application of the sealant. If the joint is wet with solvent, the sealant will not adhere properly. Contamination from curing agents and form release agents should be avoided.

### APPLICATION

#### Joint Design:

For optimum results, joints should be a minimum of 4 times greater than the anticipated movement. Minimum recommended joint size should be 1/4" x 1/4". Maximum joint size should be 1/2" wide by 3/8" deep.

#### Joint Backing:

An open cell backer rod should be used to control joint depth. In shallow joints, a bond breaker tape should be installed to prevent three point contact.

#### Application and Tooling:

Apply with conventional equipment, filling the joint completely. When temperatures are below 40 degrees F, application will be easier if sealant is warmed. When temperature of the surface exceeds 140 degrees do not apply until the surface cools. A soap and water solution or a solvent such as Xylol may be used as a lubricant for tooling. Do not let tooling agents contaminate open joints.

#### Painting:

Sealant may be painted after 24 hours. If using a relatively inflexible paint, allow sealant to dry for 3 days before painting. Dyna-Seal may be coated with any latex and most oil based paints. Some paints may crack due to dynamic (moving) joints. See paint manufacturer's specifications.

### CLEANING

Remove material from tools before it cures by scraping and/or using solvents such as Acrylic Thinner, Xylol or MEK. Cured materials may be removed by cutting with sharp tools. Observe manufacturer's precautions when using toxic or flammable solvents.

## **LIMITATIONS/PRECAUTIONS**

Not intended for traffic-bearing surfaces.

Not recommended for polystyrene insulation sheathing.

Not recommended for acrylic skylight glazing surfaces.

Contains solvents which may craze some plastics.

DYNA-SEAL ELASTOMERIC CAULK must completely cure prior to allowing food to be processed or stored in same area.

Always test first to determine compatibility.

Apply in well ventilated area.

### **Service Temperature Range:**

- 40 degrees F to 180 degrees F.

### **Application Temperature Range:**

0 degrees F to 140 degrees F.

### **THEORETICAL YIELD PER 10 OZ. CARTRIDGE:**

<b><u>Joint Size</u></b>	<b><u>Linear Feet</u></b>
1/4" x 1/4"	25.5
1/4" x 3/8"	16.9
1/4" x 1/2"	12.7
1/2" x 3/8"	8.4

### **TECHNICAL DATA**

Viscosity (Brookfield RVT-F Spindle Helipath stand).....	800 M cps	(100 sec., 77 degrees F.)
Extrusion .....	2 sec.	ASTM C 603-90
Elongation (Peak).....	870%	ASTM D 412
Elongation (Peak) after 500 hours QUV .....	1093%	ASTM D 412
Tensile Strength (Peak) .....	407 PSI	ASTM D 412
Cyclic Movement.....	+ 25%	ASTM C 719
Adhesion		
Aluminum .....	19 P.L.I.	
Mortar .....	12 P.L.I.	
Glass .....	20 P.L.I.	
Wood .....	17 P.L.I.	
Vinyl.....	12 P.L.I.	
% Solids .....	62.5	
Tack Free .....	2 hours	
Cure (1/4" x 1/4" bead).....	4 days	

**WARNING!** Apply with adequate ventilation. Avoid eye contact.

**KEEP OUT OF REACH OF CHILDREN.** May be harmful or fatal if swallowed. If swallowed, seek immediate medical attention. Do not eat, drink, or induce vomiting. Although solvent is considered mild, some people may experience sensitivity to it.

#### **For technical assistance contact**

**CREATIVE MATERIAL TECHNOLOGIES, LTD.**

**21 Wilbraham St, Unit B11, Palmer, MA 01069**

**Phone: 413-284-0000**

**LIMITED WARRANTY:** This product is warranted to be of good quality when used according to the manufacturer's directions. It is not warranted for any other use or purpose. If proved to be defective, liability is limited to replacement of defective material, or refund of the purchase price of the material, at the option of Creative Material Technologies, Ltd. Improper mixing, incorrect application, or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturer's or its dealer's responsibility. There are no other warranties, either expressed or implied. Creative Material Technologies, Ltd. will not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of this product.

Manufactured By:

**Dynamic Coating Solutions**

A Division of **CREATIVE MATERIAL TECHNOLOGIES, LTD.**

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