1. BASIC USES
• All interior joints and perimeters of fixtures, penetrations, vents, doors, windows and all other similar openings where a flexible security sealant is required.
• Interior window glazing.
• Heavy pedestrian traffic expansion and control joints for security and non-security areas.

2. MANUFACTURER
Pecora Corporation
165 Wamboldt Road
Harleysville, PA 19438
Phone: 215-723-6051
800-523-6688
Fax: 215-721-0286
Website: www.pecora.com

3. PRODUCT DESCRIPTION
Dynaflex is a unique two-part, non-sag, tamper resistant elastomeric polyurethane joint sealant.

Dynaflex is designed to achieve high tensile and tear strength, abrasion resistance and an ultimate Shore A hardness of 55, yet withstand 25% total joint movement. As a result, this rugged, but flexible sealant is ideally suited for use in institutional and correctional facility installations but performs equally as well in other public buildings and facilities where ordinary sealants are easily damaged or torn out by idle tampering and acts of vandalism.

Note: In high security areas where a harder material is required and flexibility is less important, Pecora Dynapoxy EP-1200 with a Shore D hardness of 70 is recommended.

Limitations: Dynaflex is not to be used:
• In active joints experiencing movement greater than ±12-1/2% in compression or extension.

Fire Rated Systems: Two-hour fire and temperature rated wall, Design (WWS-0021) and floor, Design (FF-S-0017) joint systems up to 2" (50 mm) wide can be designed with Ultra Block™ fire blocking material.

These designs have been full-scale tested and classified by Underwriters Laboratories, Inc. and appear in UL’s Online Certifications Directory or Fire Resistance Directory, Volume 2.


Ultra Block™ is a product of Backer Rod Mfg. Co., Denver, Colorado.

4. TECHNICAL DATA

Applicable Standards: Meets Federal Specification T-T-S-00227E, Type II, Class B and ASTM C-920, Type M, Grade NS, Class 12.5. Use T1, M, O. Also exceeds the test requirements of ASTM C1247 for sealants exposed to continuous immersion in liquids.

Joint Design: The width of active joints should be a minimum of 8 times the anticipated movement. The width or depth of the joint should not be less than 1/4" (6 mm). In joints up to 1/2" (12 mm), but not exceeding 1-1/4" (31 mm), the depth should be maintained at 1/2" (50 mm). For joints wider than 1-1/4" (31 mm), please consult our Technical Service department.

Surface Preparation: Proper joint preparation is extremely critical. All surfaces must be clean, dry, and free of all foreign matter or contamination such as oil, grease, wax, bitumen, curing compounds, form-release agents or other coatings.

Old caulking materials should be removed from masonry joints by grinding or sawing to sound virgin substrates to insure optimum performance of the new sealant. Metal surfaces must be free of rust, corrosion and protective coatings.

5. INSTALLATION

Since Pecora architectural sealants are applied to varied substrates under diverse environmental conditions and construction situations it is recommended that substrate testing be conducted prior to application.

TYPICAL PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Test Property</th>
<th>Value</th>
<th>Test Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesion to Concrete (pli)</td>
<td>25</td>
<td>ASTM C794</td>
</tr>
<tr>
<td>Elongation (%)</td>
<td>175-200</td>
<td>ASTM D412</td>
</tr>
<tr>
<td>Full Adhesion (days)</td>
<td>7</td>
<td>Pecora Corporation</td>
</tr>
<tr>
<td>Full Cure (days)</td>
<td>7</td>
<td>Pecora Corporation</td>
</tr>
<tr>
<td>Hardness, Shore A (2 days)</td>
<td>40-45</td>
<td>ASTM C661</td>
</tr>
<tr>
<td>Hardness, Shore A (Ultimate)</td>
<td>55+5</td>
<td>ASTM C661</td>
</tr>
<tr>
<td>Tack-Free Time (hrs)</td>
<td>10</td>
<td>ASTM C679</td>
</tr>
<tr>
<td>Tear Strength (ppi)</td>
<td>60</td>
<td>ASTM D624</td>
</tr>
<tr>
<td>Tensile Strength (psi)</td>
<td>300-350</td>
<td>ASTM D412</td>
</tr>
<tr>
<td>VOC Content: Activator (g/L)</td>
<td>&lt;25</td>
<td>ASTM D3960</td>
</tr>
<tr>
<td>Base (g/L)</td>
<td>&lt;100</td>
<td>ASTM D3960</td>
</tr>
</tbody>
</table>

*Hardness may fluctuate from this value due to variations in field mixing, application of sealant, temperature and humidity.
**Priming:** Security caulking demands exceptional adhesion, particularly in isolated containment areas like inmate living cells, etc. Since Dynaflex's higher hardness puts extra stress on the bond line, P-75 or P-200 epoxy primer should always be used on porous substrates to obtain superior adhesion. Steel, aluminum, and glass should be primed with P-100. When applying Dynaflex over block that has been sealed with a block-filler, priming may also be necessary. A field test should always be conducted to confirm satisfactory adhesion. Contact Technical Services (800-523-6688) for other recommendations for priming or other surface treatment.

**Joint Backing:** Backer rod cushions the sealant, controls the depth and allows it to be applied under pressure. For the firmer sealant, controls the depth and allows it to cure minimum, and glass should be primed with P-100. When applying Dynaflex over block that has been sealed with a block-filler, priming may also be necessary. A field test should always be conducted to confirm satisfactory adhesion. Contact Technical Services (800-523-6688) for other recommendations for priming or other surface treatment.

*In joints too shallow for backer rod, use a polyethylene bond-breaker tape to prevent three-sided adhesion.*

**Application:** The Base and Activator (nested in the Base container) are formulated and pre-measured to function as a unit. The two components should be blended thoroughly along with the desired Color Pack in accordance with mixing instructions appearing on the container label.

*Apply sealant to joints using standard caulking equipment.*

**Tooling:** Tool immediately to assure full adhesion. Tooling without a slicking agent is preferred but if conditions require one, mineral spirits is recommended.

**Cleaning:** Mechanically remove excess sealant. Wipe up residues with a small amount of mineral spirits on a rag following appropriate safety precautions on the supplier’s SDS or allow residues to cure and remove mechanically to decontaminate the area thoroughly.

**Application Life:** Approximately two (2) hours at 77°F (25°C), 50% relative humidity. Higher temperatures and humidity shorten this application life. For maximum pot-life, store material in a cool, dry place prior to mixing. If warming is necessary, do not heat above 120°F (49°C).

**Painting:** Dynaflex is offered in a wide range of colors to eliminate the need for painting. However, it can be painted if so specified. A high-quality latex is the best choice, but good oil-based paints are acceptable. Care should be taken when using the hard drying epoxy paints. These paints do not have the flexibility of the sealant and may crack in active joints when the sealant expands and contracts to a degree greater than the movement capability of the paint. Also, epoxy paints should be completely dry or cured before Dynaflex is applied against them or an area of incompatibility will result.

**Storage Life:** Dynaflex has a shelf life of approximately one (1) year from the date of manufacture when stored in sealed containers at temperatures lower than 80°F (26°C). Dynaflex performs equally well during any part of this shelf life.

**Precautions:** Contains diisocyanates. Contact with uncured sealant or with dust formed from cured sealant may cause eye, skin, or respiratory tract irritation or allergic reaction. Repeated contact with uncured product may, without symptoms, increase susceptibility of these effects. Do not breathe vapor or dust. Use only with adequate ventilation or wear an appropriate NIOSH-approved respirator. Do not get in eyes or on skin or clothing. Wear chemical resistant gloves and eye protection. Wash thoroughly after handling. Refer to Material Safety Data Sheet (MSDS) for more information.

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**FOR PROFESSIONAL USE ONLY. KEEP OUT OF THE REACH OF CHILDREN**

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**6. AVAILABILITY AND COST**

Pecora products are available from stocking distributors nationwide. For the name and telephone number of your nearest representative, call the number below or visit our website at www.pecora.com.

**7. WARRANTY**

Pecora Corporation warrants its products to be free of defects. Under this warranty, we will provide, at no charge, replacement materials for; or refund the purchase price of, any product proven to be defective when used in strict accordance with our published recommendations and in applications considered by us as suitable for this product. The determination of eligibility for this warranty, or the choice of remedy available under this warranty, shall be made in our sole discretion and any decisions made by Pecora Corporation shall be final. This warranty is in lieu of any and all other warranties, expressed or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose and in no case will Pecora be liable for damages other than those expressly stated in this warranty, including but not limited to incidental or consequential damages.

**8. MAINTENANCE**

If the sealant is damaged and the bond is intact, cut out the damaged area and prime with P-75 or P-150 primer and recaulk. If the bond has been affected, remove the sealant, clean and prepare the joint in accordance with instructions under "Installation".

**9. TECHNICAL SERVICES**

Pecora representatives are available to assist you in selecting an appropriate product and to provide on-site application instructions or to conduct jobsite inspections. For further assistance call our Technical Service Department at 800-523-6688.

**10. FILING SYSTEMS**

- http://4specs.com
- 07 10 00 Waterproofing
- 07 92 00 Sealants