

## 1. PRODUCT NAME

DYNATRED® Polyurethane Non-Sag Traffic Grade Sealant.

## 2. MANUFACTURER

Pecora Corporation  
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## 3. PRODUCT DESCRIPTION

Dynatred® is a two-part, chemically-curing, cold-applied elastomeric sealant with the effectiveness of self-leveling traffic-grade sealants but with the versatility of a non-sag material.

**Basic Uses:** Dynatred has a designed Shore A Hardness of 40+. Because of this medium firmness and abrasion resistance, it is excellent for sealing joints in treads and risers, V-joints, control and expansion joints in parking decks and ramps, walkways, stadiums, industrial warehouse floors and other areas subject to heavy pedestrian and vehicular traffic. Since it is not a pourable, self-leveling sealant, Dynatred is the choice for sealing horizontal joints where the slope may exceed one per cent.

Dynatred has exceptional resistance to water submersion and is recommended for use in swimming pools, fountains and reflecting pools. It's wide color range makes it an ideal sealant for these uses as well as in decorative flooring, patios and pedestrian malls.

### Fire Rated Systems:

Two-hour Underwriters Laboratories Classified fire-rated wall & floor joint systems up to 2" (50 mm) in width, Designs U900-Z001 (WWS 0021) & J900V, (FFS 0017) can be designed with Ultra Block fire-blocking material. Ref: Standard Fire Tests of Building Const. & Materials, ANSI/UL 263, ASTM E119, NFPA No. 251, Vol. 2, UL Fire Resistance directory.

**Important Note:** Ultra Block® backing material must be compressed to a minimum of 25% when inserted into the joint to qualify for the UL rating.

### TYPICAL PHYSICAL PROPERTIES

Polymeric Base	Polyurethane
Non-Volatile Content	100%
Initial Cure @ 80° F (27° C)	16 Hours
Tack Free to Touch @ 80° F (27° C) ASTM C-679	6 Hours
Full Cure @ 80° F (27° C)	48 Hours
Hardness, Shore A ASTM C-661	40+*
Tensile Strength ASTM D-412	250-300 psi 1724-2069 kPa
Elongation ASTM D-412	250-300%
Maximum Movement Capability	
Expansion	25%
Compression	25%
Pot Life @ 80° F (27° C) ASTM C-603	3 Hours
Adhesion to Concrete ASTM C-794	47 pli / 8 kN/m

\*Method(s) of mixing/application and/or adverse field conditions may effect ultimate hardness, upward or downward. Please consult Technical Services before writing specifications on this product.

### Limitations: Not recommended for use:

- In potable water tanks.
- In areas contaminated with oil, grease, wax, bitumens, curing compounds, concrete sealers or mold-release agents.

- Under water in sewage disposal or waste water treatment plants or other facilities subjected to harsh chemicals such as acids, strong alkalis, ketones, etc. Pecora GC-2 Synthacalk two-part polysulfide sealant should be used for these conditions.
- as a structural component or in longitudinal expansion joints that are intended to be used as a constant traveling surface.

**Colors:** Color-Pack system has premeasured tint paste for 12 standard Architectural colors and 32 Color-Flex Designer colors with a wide range of custom colors available on request.

The Base material is not to be used without addition of color unless it is to be painted. This will tend to increase hardness of the cured sealant.

**Packaging:** Standard package is a 1-1/2-gallon unit (346.5 cu. in.) (5.7 L), including Base, Activator and Tint Paste.

#### 4. TECHNICAL DATA

**Applicable Standards:** Meets Federal Specification TT-S-00227E, Type II, Class A; ASTM C-920-95, Type M, Class 25, Grade NS, Use T, M, A and O; Pennsylvania DOT Publication 408/90, Section 705.8(b). Dynatred also exceeds the test requirements of ASTM C-1247 for Sealants Exposed to Continuous Immersion in Liquids.

**Joint Design:** The width or depth of the joint should not be less than 1/4" (6 mm). In joints up to 1/2" (12 mm) wide, the depth of the sealant should be equal to the width. In joints wider than 1/2" but not exceeding 2" (50 mm), the depth should be maintained at 1/2" (12 mm).

Horizontal traffic-bearing joints wider than 2" (50 mm) present unique problems and require more exacting sealant placement and firmer support.

Although Dynatred may be installed in such joints as wide as 10", it is highly recommended that you consult with our Technical Services department before undertaking such design or work.

#### 5. INSTALLATION

**Surface Preparation:** Surfaces must be clean and dry. The presence of moisture will cause gassing before the sealant achieves ultimate cure. Oil, grease, wax, form-release agents, curing compounds, bitumens, laitance and old caulking materials must be removed by sandblasting or sawing to sound, virgin substrates for optimum sealant performance.

**Priming:** All joints must be primed before applying Dynatred. Pecora P-75 or P-150 primer is recommended on masonry and P-120 on aluminum, steel and galvanized metal. Primer must be dry before the application of Dynatred. Primers should not be allowed to dry over eight (8) hours before application of the sealant or they must be reapplied.

**Joint Backing:** Backer rod should be used to control the depth of the sealant and permit it to be installed under pressure. Closed-cell polyethylene is recommended. Use a size that will compress 25% when inserted into the joint. Do not over compress or puncture backer rod during installation or blistering/bubbling of the sealant may occur. Non-porous, semi-rigid backer materials may be used if a bond breaker tape is applied to prevent sealant adhesion to the filler. Dynatred should not be installed over impregnated fiberboard, sand or porous fillers capable of absorbing and retaining water.

Joints subject to water submersion must be thoroughly dry prior to priming, and the sealant must be completely cured before submersion. It should be expected that the longevity of the sealant bond under such submersion conditions will be less than above grade.

**Application:** The base and activator (nested in the base container) are formulated to function as a unit. They should be mixed together as supplied and thoroughly blended as directed for maximum sealant performance. Apply sealant to joints using knife, trowel, or manual or air-pressure caulking guns.

**Tooling:** Tool immediately to assure full adhesion to the joint surfaces. Tooling without a slicking agent is preferred but if conditions require one, toluene or xylene is recommended.\*

**Cleaning:** Remove compound from hands and equipment before it cures, using methyl ethyl ketone (lacquer thinner) or aromatics such as toluene or xylene\*. These solvents are not effective after cure; remove cured compound by scraping, sandpapering or softening with chlorinated solvents.\*

*\*(Solvents mentioned are toxic and flammable; observe solvent manufacturer's precautions and refer to specific Material Safety Data Sheets).*

**Application Life:** Three (3) hours at 75° F (24°C), 50% relative humidity. Higher temperatures and higher humidity shorten the 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).

**Precautions:** The activator portion of this product contains diisocyanates. Avoid prolonged breathing of vapors and contact with skin and eyes. Wash hands thoroughly after use and before eating or smoking. Upon accidental contact with eyes, flush thoroughly with water. Seek medical attention immediately. Refer to Material Safety Data Sheet.

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

## **6. AVAILABILITY AND COST**

Pecora products are available from our plants and warehouses in Harleysville, PA and Dallas, TX, or from stocking distributors in all major cities. For the name and telephone number of your nearest Pecora representative call one of our locations listed below, or call Sweet's "Buyline" 0159 at 1-800-633-1180. Our representatives can give you prices or put you in touch with the nearest stocking distributor.

## **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 installed in strict accordance with our published recommendations and in applications considered by us as suitable for this product. This warranty is in lieu of any and all other warranties expressed or implied, and in no case will Pecora be liable for 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**

Local Pecora representatives are available to assist you in selecting an appropriate product and to provide on-site application instructions or to conduct job-site inspections. For further information and assistance, please call our Technical Services department 215-723-6051 or 800-523-6688.