



1. 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 five percent.

2. MANUFACTURER

Pecora Corporation
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800-523-6688
Fax: 215-721-0286
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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.

Once full cure has been established (7 days), Dynatred® has exceptional resistance to water submersion. Its wide color range makes it an ideal sealant for decorative flooring, patios and pedestrian malls as well.

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) & J900 V, (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 for the UL rating.

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 subject to harsh chemicals such as acids, strong alkalis, ketones, etc. Pecora GC2+ 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.

PACKAGING

- Standard Package 1 1/2-gallon unit (5.7 L), including Base and Activator
- Color-Pack is packaged separately

COLOR

- Color-Pack system has premeasured tint paste for 12 standard and 32 Special Color-Flex Designer colors with a wide range of custom colors available on request.
- It is not necessary to add a color pack if Dynatred® is to be painted after cure; however, this will tend to increase the hardness of the sealant.

COLOR cont.

- Visit Custom Color Tools on www.pecora.com to assist in custom color selection (15 color pack minimum).

4. TECHNICAL DATA

Applicable Standards: Meets Federal Specification TT-S-00227E, Type II, Class A; ASTM C-920-98, Type M, Class 25, Grade NS, Use T, M, A and O. Dynatred® also exceeds the test requirements of ASTM C-1247 for Sealants Exposed to Continuous Immersion in Liquids.

5. INSTALLATION

Surface Preparation: Surfaces must be clean and dry. The presence of moisture may 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

TYPICAL PHYSICAL PROPERTIES at 77°F, 25°C, 50% RH

Test Property	Value	Test Procedure
Adhesion to Concrete (pli)	47	ASTM C794
Bond Durability (%)	±25	ASTM C719
Elongation (%)	250-300	ASTM D412
Full Cure (days)	7	Pecora Corporation
Hardness, Shore A	40+*	ASTM C661
Initial Cure (hours)	16	Pecora Corporation
Pot Life (hours)	3	ASTM C603
Tack Free to Touch (hours)	6	ASTM C679
Tensile Strength (psi)	250-300	ASTM D412
VOC Content (g/L):		
Activator	104	ASTM D3960
Base	14	ASTM D3960

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

before application of the sealant or they must be reapplied.

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.

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

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.

Application: The base and activator (nested in the base container) are formulated and premeasured 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 to the joint surfaces. Tooling without a slicking agent is preferred but if conditions require one, mineral spirits is recommended. (See Caution statement.)

Clean Up: Immediately remove all excess sealant and smears adjacent to joints with mineral spirits. Also use mineral spirits for removing uncured sealant from equipment. Remove cured sealant by scraping, sandpapering, etc. (Caution: Mineral spirits is flammable and toxic. Observe manufacturer's precautions.)

Application Life: Three (3) hours at 77°F (25° 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: Toxic. This product contains a chemical known to the state of California to cause cancer. 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 and 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, or from stocking distributors in all major cities. For the name and telephone number of your nearest representative call one of our locations listed 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 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

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

- Sweet's Catalog File: www.sweets.com
- General Building
 - 07100 Waterproofing
 - 07920 Sealants
- Civil Engineering
 - 07100 Waterproofing



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CORPORATION**

www.pecora.com

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