

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 pedestrian and vehicular traffic. Dynatred® is approved for concrete joint applications requiring jet fuel resistance.

MANUFACTURER

Pecora Corporation

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PRODUCT DESCRIPTION

Dynatred® is a two-part, chemically-curing, cold-applied elastomeric sealant with the effectiveness of self leveling, traffic-grade sealants and 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. For heavy pedestrian traffic areas subject to high heat exposure where joints exceed 3/8" in width, use Pecora Dynaflex.

Fire Rated Systems: Two-hour Underwriters Laboratories Classified fire-rated wall & floor joint systems up to 2" (50 mm) in width, Designs (WWS 0021), (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 Online Certifications 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:

- Light colors can yellow if exposed to direct gas fired heating elements during the initial cure period.

- When in direct contact with substrates that contain asphaltic or bituminous compounds.
- 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.
- For longitudinal expansion joints >2" in width that are intended to be used as constant traveling surfaces, contact Pecora Technical Services department.
- Submerged in intensive chlorinated water applications consistently exceeding 5 ppm – chlorine concentrations.

TECHNICAL DATA

Applicable Standards: Meets Federal Specification TT-S-00227E, Class A, Type II, SS-S-220E, Type M; ASTM C920, Type M, Class 25, Grade NS, Use T, M, A and O. Dynatred® also exceeds the test requirements of ASTM C1247 for Sealants Exposed to Continuous Immersion in Liquids. Acceptance by U.S. Department of Agriculture for use in meat and poultry processing plants.

INSTALLATION

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

PACKAGING

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

COLOR

- Pecora Universal Color Pack system has pre-measured tint paste for 51 standard colors.
- 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.
- Custom colors are available upon request (5 Color Pack minimum).

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. Joints subject to water submersion must be thoroughly dry prior to priming, and the sealant must be completely cured before

TABLE 1: TYPICAL PHYSICAL PROPERTIES

Test Property	Value	Test Procedure
Bond to Concrete:**		
Non-Immersion	Pass, no bond loss	Fed. Spec. SS-S-200E
Immersion	Pass, no bond loss	Fed. Spec. SS-S-200E
Fuel-Immersion	Pass, no bond loss	Fed. Spec. SS-S-200E
VOC Content (mixed g/L):	<1	ASTM D3960
Pot Life @ 77° (hours)	2-3	ASTM C603
Tack Free to Touch (hours)	6	ASTM C679
Initial Cure (hours)	16	Pecora Corporation
Full Cure (days)	7	Pecora Corporation
Hardness, Shore A	40+*	ASTM C661
Elongation (%)	250-300	ASTM D412
Tensile Strength (psi)	150-200	ASTM D412
Adhesion to Concrete (pli)	47	ASTM C794
Bond Durability (%)	±25	ASTM C719
VOC Emissions (TVOC)	Pass (All Exposure Scenarios)	CDPH v1.2-2017

* Method of mixing/application and/or field conditions may effect ultimate hardness, upward or downward.

** P-75 or P-200 primer required

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 Pecora Universal Color Pack in accordance with mixing instructions appearing on the container label. Apply sealant to joints using standard caulking equipment.

In control and construction joints in interior industrial flooring subjected to fork truck traffic, Pecora DynaFlex two part high durometer urethane is recommended for better protection against joint edge spalling. In areas of pedestrian traffic where firmer support and resistance to puncture (i.e. high heels) is considered more important than elongation and flexibility, Pecora Dynaflex two-part, non-sag

polyurethane sealant with a 55 Shore A hardness is recommended.

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: 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: Two (2) to 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: Contains diisocyanates. Contact with uncured sealant, with vapors generated during curing, or with dust formed from cured sealant may cause eye, skin, or respiratory tract irritation or allergic reaction. Do not breathe fumes, dusts, vapors or mist. Keep container closed. Use only with adequate ventilation or wear an appropriate NIOSH-approved respirator. Harmful if swallowed. Do not swallow or take internally. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Keep away from heat, sparks and flame. Repeated contact may, without symptoms, increase susceptibility of these effects. Refer to Safety Data Sheet (SDS) for more information.

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

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.

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.

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".

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.

FILING SYSTEMS

CSI MasterFormat Designations:

- 07 84 43 - Joint Firestopping
- 07 92 00 - Joint Sealants
- 07 92 00 - Rigid Joint Sealants
- 32 13 73 - Concrete Paving Joint Sealants

