DynaTred®

Non-Sag, Traffic-Grade Polyurethane Sealant

PECORA CORPORATION®

SPECIFICATION DATA SHEET

BASIC USES

Sealing joints in treads and risers, V-joints, control and expansion joints in parking decks and ramps, walkways, stadiums, industrial warehouse floors, swimming pools, fountains, wastewater treatment facilities, and other areas subject to pedestrian and vehicular traffic. Dynatred® is approved for concrete joint applications requiring jet fuel resistance.

MANUFACTURER

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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 and is approved for use in swimming pools and fountains. 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 heel exposure where joints exceed 3/8" in width, use Pecora Dynaflex.

Dynatred® may be used in wastewater treatment facilities including walkways, tanks, and other areas requiring a joint sealant. Consult Technical Service for specific application guidelines and approval.

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.

Limitations: Not recommended for use:

- In joints subjected to heavy duty vehicular traffic such as fork lifts. Pecora recommends a sealant with an increased Shore A hardness such as the Pecora Dynaflex.
- 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 areas contaminated with oil, grease, wax, bitumens, curing compounds, concrete sealers or mold-release agents.
- In joint conditions subject to harsh chemicals such as acids, strong alkalis, ketones, etc. Consult the Pecora Technical Service Group for details.
- 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-200E, 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 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 submersion.
It should be expected that the longevity

PACKAGING

- Standard Package 1½ 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).

TABLE 1: TYPICAL PHYSICAL PROPERTIES

Test Property	Value	Test Procedure
Bond to Concrete:**		
Non-Immersed	Pass, no bond loss	Fed. Spec. SS-S-200E
Immersed	Pass, no bond loss	Fed. Spec. SS-S-200E
Fuel-Immersed	Pass, no bond loss	Fed. Spec. SS-S-200E
VOC Content (mixed g/L):	17	ASTM D3960
Pot Life @ 77° (hours)	2-3	ASTM C603
Tack Free (hours)	6	ASTM C679
Application Temperature***	20°F to 120°F	Pecora Corporation
Service Temperature	-20°F to 180°F	Pecora Corporation
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.
*** Applies to both ambient and substrate temperatures.

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.

For the most up to date information, please visit our website at pecora.com.

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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 ¼" (6 mm). In joints up to ½" (12 mm) wide, the depth of the sealant should be equal to the width. In joints wider than ½" but not exceeding 2" (50 mm), the depth should be maintained at ½" (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.

Mixing: Activator and base components are packaged in exact ratio for use. The addition of a Pecora universal color pack is required if using the field-tintable neutral base. Use one (1) Pecora universal color pack per 1.5-gallon unit. Extrude entire contents of color pack and mix into base along with the activator. Mix all components as supplied using an Albion Engineering model 381-G04 mixing paddle (refer to illustration) or comparable. Do not attempt to mix partial

units and risk the probability of a partially or non-curing sealant. Thoroughly mix the activator, base, and colorants for (3) minutes using a variable speed, heavy-duty drill. Stop mixing and thoroughly scrape any unmixed material from sides and bottom of pail with a bucket scraping tool. Continue to mix for an additional (3) minutes not exceeding a total (6) six-minute mixing time. Avoid over-mixing which can entrain air in the sealant causing bubbling and blistering.

Application: Do not thin with solvents or adulterate the mixed material in any way. Apply sealant to joints, using standard caulking equipment. Application life is 2-3 hours at 77˚ F (25˚ C), 50% R.H. Sealant should be installed when both ambient and substrate temperatures are between 20˚F to 120˚F. Higher temperature and/or humidity will shorten the application life. For maximum application life store the material in a cool, dry place prior to mixing.

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.

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, replacementmaterials 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

MIAMI-DADE COUNTY APPROVED

SEALANT · WATERPROOFING & RESTORATION INSTITUTE

Issued to: Pecora Corporation
Product: Dynatred
C719: Pass ✓ Ext:+25% Comp:-25%
Substrate: Unprimed anodized aluminum, Unprimed mortar (concrete), mortar (concrete)[primed with Pecora P-75 Primer]
Validation Date: 4/17/2026 - 4/16/2030
No. DYN-2030 *Copyright © 2026*
SEALANT VALIDATION
www.swrionline.org

Pecora is a member of and supports: SWRI, CSI, AIA, ICRI, ABAA, USGBC, IPI.
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