

### Traffic Grade Pavement Joint Sealant

#### BASIC USES

Dynatrol I-XL is intended for use in expansion and control joints on concrete or plywood horizontal traffic bearing surfaces.

#### MANUFACTURER

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

#### PRODUCT DESCRIPTION

Dynatrol™ I-XL is a moisture-curing, single-component non-sag polyurethane sealant. It is designed to maintain an effective bond and seal between materials of similar and dissimilar surfaces, porosities and coefficients of expansion.

**Limitations:** Dynatrol™ I-XL should not be used:

- in joints where contact may be made with polysulfide sealants.
- in areas exposed to harsh chemicals.

#### TECHNICAL DATA

**Applicable Standards:** Meets Federal Specification TT-S-00230C, Type II, Class A and ASTM C-920 Type S, Grade NS, Class 25, Use T1, M, O. CAN/CGSB-19.13-M87.

**Joint Design:** The width of the joint should be a minimum of four (4) times the anticipated movement. The width or depth of the joint should not be less than 1/4" (6mm). In joints up

to 3/8" (9mm) wide, the depth of the sealant should be equal to the width. In joints wider than 3/8" (9 mm), but not exceeding 1-1/4" (31mm), the depth should be maintained at 3/8" (9 mm). For joints wider than 1-1/4" (31 mm), please consult Technical Services.

#### INSTALLATION

**Surface Preparation:** Joint surfaces and backer rod must be dry and free of all contaminants such as oil, grease, wax, dust, corrosion, tar, asphalt, loose aggregate, frost, form-release agents and decorative and protective coatings. Precast using form release agents must be sandblasted or mechanically abraded and blown or brushed dust free.

**Priming:** When priming is indicated, P-75 or P-150 should be used on porous substrates. Consult Technical Services for details concerning primer selection and application.

Dynatrol™ I-XL should be applied within eight hours after priming; otherwise, it will be necessary to reprime.

#### PACKAGING

- 20 fl. oz. (592 ml) sausages

#### COLOR

- Limestone

**Joint Backing:** Backer rod controls the depth of the sealant and allows it to be applied under pressure. Use a size that will compress 25%. Closed cell polyethylene foam backer rod should be used and care must be taken not to puncture the rod which can cause outgassing or bubbling/blistering of the sealant. In joints too shallow for backer rod, use a polyethylene bond-breaker tape to prevent three-sided adhesion.

**Application:** Sealant should be applied in a continuous operation using sufficient pressure to fill the joint and make complete contact to the joint sides. Tool the sealants flush with the traffic surface using solvent or dry tooling techniques. Do not tool with soap or detergent and water solutions.

TABLE 1: TYPICAL PHYSICAL PROPERTIES  
at 77°F (25°C), 50% R.H.

TEST PROPERTY	VALUE	TEST PROCEDURE
100% Modulus (psi)	65	ASTM D412
Adhesion-in-Peel (pli)	20	ASTM C920
Bond Durability-Class 25	Passes	ASTM C920
Hardness, Shore A (15-50)	35	ASTM C920
Service Temperature Range	-20°F to +180°F (-29°C to 80°C)	
Stain and Color Change	Passes	ASTM C920
Tack Free Time (hrs)	6-12 hrs	ASTM C679
Tensile Strength (psi)	175	ASTM D412
Ultimate Elongation (%)	550	ASTM D412
Weep and Sag (max 3/16")	Passes	ASTM C920
Weight loss after heat aging (max 10%)	Passes	ASTM C920
VOC (g/L)	<100	ASTM D3960
VOC Emissions (TVOC)	<2 ug (0.002 mg)/cu m	CDPH v1.1-2010 (CA Specification 01350)

**Tool Time (initial skin):** 3-6 hours at 77°F (25°C); 50% relative humidity. Higher temperatures and/or humidity will shorten this time.

**Cleaning:** Use mineral spirits to remove excess sealant before it cures and to clean equipment. Refer to manufacturers SDS.

**Storage Life:** One-Part urethanes are extremely moisture and heat sensitive. Dynatrol™ I-XL has a shelf life of twelve months from date of manufacture at conditions not exceeding 80°F (27°C), 50% R.H. Consistently higher temperatures and/or humidity will shorten this shelf life.

**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](http://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 published recommendations and in application 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, and in no case will Pecora be liable for incidental or consequential damages.

## MAINTENANCE

If the sealant is damaged and the bond is intact, cut out the damaged area and recaulk. No primer is required. If the bond has been affected, remove the sealant, clean and prepare the joint in accordance with the 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 job site inspections. For further assistance call our Technical Service Department at 800-523-6688.

## FILING SYSTEMS

CSI MasterFormat Designation  
- 07 92 00 - Joint Sealants  
- 07 18 00 - Traffic Coatings

