

DynaTrol® I-XL Tru-White

Specification Data Sheet

One-Part, Non-Yellowing Sealant



I. BASIC USES

Dynatrol® I-XL Tru-White is designed for exterior and interior caulking of door and window perimeters, expansion joints; coping and coping to facade joints; cornice and wash joints; tilt-ups; panels; underside of precast planks; top of non-loadbearing walls; glazing; etc. It is also suited for various manufacturing uses, such as production of travel trailers and mobile homes, extruded PVC windows and doors, as an automobile seam sealer and many other OEM applications.

2. MANUFACTURER

Pecora Corporation
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 Phone: 215-723-6051
 800-523-6688
 Fax: 215-721-0286
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3. PRODUCT DESCRIPTION

Dynatrol® I-XL Tru-White is based on a unique hybrid STPU (silyl-terminated polyurethane) differentiating it from the standard Dynatrol® I-XL urethane-based sealant. The silicone/urethane hybrid chemistry utilized by the Dynatrol® I-XL Tru-White formula allows for a low-odor, non-yellowing, one-part, moisture-curing, gun-grade, STPU sealant. It has been developed specifically for sealing dynamic joints between materials of dissimilar porosity, coefficients of expansion and surface textures. It cures to a low-modulus rubber with extraordinary adhesion, capable of accommodating joint movement of $\pm 50\%$ of the original joint width. It also has excellent UV resistance in that it does not yellow, crack or craze on long term exposure to UV light. Dynatrol® I-XL Tru-White is also paintable after a 7-day cure.

Advantages:

- Low VOC
- No shrinkage
- Minimal dirt pick-up
- Low odor

- Paintable
- Non-Yellowing
- Exceptional adhesion
- Non-gassing
- Long life
- Fast Cure

Limitations:

Sealant should not be used:

- For structural glazing
 - For use in water immersion applications.
 - In joints less than 1/4" in width or depth.
 - On porous surfaces such as marble, limestone or granite without prior testing for discoloration or staining.
 - In any application where it is to be immersed in organic solvents.
 - For applications on glass where the sealant is exposed to strong UV.
- When painting, acrylic latex is recommended. Some solvent based alkyd and acrylics may not adhere or cure properly.

PACKAGING

- 10.1 oz. (300 ml) cartridges

COLOR

- Tru-White
- Additional custom colors available in batch quantities. Contact your Pecora Rep for additional details.

Any paint to be used should be tested on the sealant before using. Sealant needs to be fully cured before painting.

4. TECHNICAL DATA

Applicable Standards: Meets or exceeds the requirements of ASTM C-920, Type S, Grade NS, Class 50, Use G, M, A and O. Sealant complies with appropriate USDA requirements for use in Federally inspected meat and poultry plants. Consult Typical Properties Chart for specific testing properties.

TABLE 1: TYPICAL UNCURED PROPERTIES
at 70°F (25°C), 50% RH

Test Property	Value	Test Procedure
Cure Time 1/8" bead (hours)	24	Pecora Corporation
Extrusion Rate @ 30 psi, 1/8" orifice (gms/min.)	200	ASTM C2202
Sag (inch)	<0.05	ASTM C679
Tack-Free Time (hours)	1 1/2 - 2	ASTM C679
Tooling Time (min.)	30	Pecora Corporation
Viscosity, #7 @ 10 rpm (cps)	300,000	ASTM D2196
VOC (g/L)	15	ASTM D3960
Density (lbs./gallon)	12.5	ASTM D1475

TABLE 2: TYPICAL CURED PROPERTIES
After 7 days cure at 70°F (25°C), 50% RH

Test Property	Value	Test Procedure
Bond Durability (%)	± 50	ASTM C719
Elongation at break (%)	700	ASTM D412
Hardness, Shore A	27	ASTM D412
Peel Adhesion to (pli; % cohesive)		
Aluminum (unprimed)	40;100	ASTM C794
Concrete (unprimed)	40;100	ASTM C794
Glass (unprimed)	40;100	ASTM C794
Tensile Strength @ 100% elongation (psi)	50	ASTM D412
Tensile Strength, Ultimate (psi)	160	ASTM D412
Service Temperature (°F)	-40 to 195	Pecora Corporation

5. INSTALLATION

Joint Design: The width of the joint should be a minimum of 4 times the anticipated movement. The width or depth of the joint should not be less than 1/4" (6 mm). In joints up to 3/8" (9 mm) 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" (31 mm), the depth should be maintained at 3/8" (9 mm). For joints wider than 1-1/4" (31 mm), please consult Technical Services.

Surface Preparations: Joints to receive sealant must be sound, smooth, uniform in dimensions and free from defects and foreign materials. They must also be clean, dry, free of frost and all contaminants, such as curing, compounds, sealers, waterproofing, coatings, etc. To test adhesion, apply a sealant bead and allow to cure thoroughly. Then pull one end of the bead to test adhesive strength. Refer to Pecora Technical Bulletin #55 for detailed procedures on field adhesive testing.

Priming: Dynatrol® I-XL True-White has excellent adhesion to most common substrate materials. In some applications it may be necessary to use a primer, for example, concrete which is frequently wet, friable or sandy and some plastics. For porous surfaces, such as concrete, P-150 is recommended. For non-porous surfaces and some plastics, P-120 is recommended.

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%.

Denver Foam open-cell polyurethane or reticulated (soft) polyethylene rod is recommended. Closed-cell polyethylene may be used but care must be taken not to puncture the rod which can cause outgassing or bubbling/blistering in the sealant.

In joints too shallow for backer rod, use a polyethylene bond-breaker tape to prevent three-sided adhesion.

Application: Joints should be masked to ensure a neat appearance. 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 sealant slightly concave using dry tooling techniques.

Tool Time (initial skin): 30 minutes at 77° (25°C); 50% relative humidity. Higher temperatures and/or humidity will shorten this time. Lower temperatures and/or humidity will lengthen this time.

Cleaning: Immediately remove all excess sealant and smears adjacent to joints with mineral spirits. For equipment cleanup, use mineral spirits. Consult manufacturer's MSDS for handling and safety precautions.

Shelf Life: Nine months when stored in original, unopened container in a dry area at temperatures below 80°F

Precautions: Use sealant in well ventilated areas. Keep away from heat and flame. Do not take internally. Call a physician if swallowed. Avoid eye and skin contact. For additional health and safety information, consult manufacturer's MSDS.

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

6. 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.

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 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.

8. 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".

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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