



# URA-TRON SEALANT DATA SHEET

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## PRODUCT DESCRIPTION

Ura-Tron Sealant is a two component, self leveling, fast curing, urethane sealant for use in deck joint sealing.

## BASIC USES

Typical applications include: control joints and expansion joint systems for highways, bridges, parking structures, stadiums, plazas, water and sewage treatment facilities, and other types of concrete construction. Ura-Tron has a very low modulus of elasticity and exhibits high elongation.

## ADVANTAGES

- Ura-Tron cures rapidly with exceptional elastomeric properties.
- Ura-Tron has been designed for use in extended water immersion applications.
- Ura-Tron contains no asphalt or coal tar additives, and is among the most dimensionally stable sealants available.

## LIMITATIONS

- Performance of this sealant is highly dependent on joint preparation, application techniques and structural behavior. Installation conditions should be as recommended by the manufacturer.
- Install at 40°F (5°C) or above.

## PACKAGING

Available in 1.5 gallon (5.7 l) and 5 gallon (18.9 l) containers.

## STANDARD COLOR

Gray (*Special colors available on request at an additional cost*).

## APPLICABLE STANDARDS

Ura-Tron will meet and exceed the requirements of ASTM C 920, Type M, Class 50, Use NT, M.

## INSTALLATION

**Preparatory Work:** Remove all foam expansion joint forming material. Chamfer the edges at the joint gap interface to minimize possible edge spalls. Sandblast joint opening gap prior to the application of the primer. Install a closed cell foam-backer rod to a level of approximately 1 inch (25mm) below the top joint surface. Thoroughly mix the two Ura-Tron Primer components together and brush a thin film on the area that will be in contact with the sealant. Allow the primer to dry completely. This should take about 35-40 minutes (@ 70° F). Once the primer is dry, the Ura-Tron Sealant Base and Cure must be mixed. Mix only matched production batch numbers. Begin by pre-mixing the Base unit for 10-20 seconds with a low speed drill motor equipped with a large butterfly paddle. Add the Cure unit to the base and mix for 2-3 minutes, scraping the sides and bottom of the pail to ensure thorough mixing. Load the mixed sealant into a bulk-loading gun by sucking the material through the nozzle. The nozzle opening should be slightly smaller than the joint opening.

Apply the sealant into the joint, maintaining a depth of ½ inch (13mm) from the face of the joint to the top surface of the sealant. It may be necessary to lightly tool the top surface of the sealant to remove any air bubbles. The sealant should show evidence of surface cure within 1 hour of application at which time it can be opened to traffic.

# URA-TRON SEALANT DATA SHEET

TECHNICAL DATA FROM LABORATORY TESTS		
Property	Test Method	Test Results
Movement Capacity	ASTM C 719	±50%
Tensile Strength	ASTM D 412	120-psi (827 kPa)
Ultimate Elongation	ASTM D 412	1500%
Hardness (Shore A)	ASTM C 661	30 ± 5
Low Temperature Flexibility @ -40° F (-40° C)	ASTM D 1790	Pass
Heat Aging	ASTM C 920	2%
Pot Life	ASTM C 603	20 min.
Shelf Life @ 70° F (21° C) (In sealed container)		9 months
Recovery	ASTM C 920	90%
Water Immersion	Bond Durability Test Blocked @ 50%. Elongation for 48 hours Samples between masonry blocks will withstand water immersion while Elongated 50%	Pass

## PRECAUTIONS

Use Ura-Tron with adequate ventilation and personal protection. Refer to Material Safety Data Sheet for detailed health and safety information prior to use.

## MAINTENANCE

In the event of damage to the sealant in the joints, proven procedures are available for repairing and rebonding Ura-Tron to the existing sealant.

## WARRANTY

R.J. Watson, Inc. warrants that its products are manufactured free of defects and conform to the technical data listed. Under this warranty we will replace, at no charge, any material proven defective when applied in accordance with our written instructions for applications recommended by us as suitable for this product. R.J. Watson, Inc. shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of this product.

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**Caution:** Joints should be protected from water immersion due to rain or snow, during the initial cure. Ura-Tron Sealants should not be installed over damp or wet backer rod.

