

Urexpan™ NR-201

Specification Data Sheet

Self-Leveling, Traffic-Grade Polyurethane Sealant



1. BASIC USES

- In small-to-medium width interior or exterior horizontal joints in plazas, malls, patios, swimming pool decks, meat and poultry plants and copings, sidewalks, driveways, parking lots and garages.
- Repairing damaged areas in the Pecora Dynaspan™ System.

2. MANUFACTURER

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

3. PRODUCT DESCRIPTION

Urexpan™ NR-201 is a one part self-leveling, traffic grade, moisture-curing elastomeric polyurethane sealant. It has excellent abrasion resistance to withstand the rigors of pedestrian and vehicular traffic.

Limitations: Urexpan™ NR-201 is not to be used as a structural component or in longitudinal expansion joints that are intended to be used as a constant traveling surface.

- Not to be used below water line in swimming pools. Recommend Synthacaulk™ GC 2 + for this application.
- For joint widths 1 inch or less.

PACKAGING

- 1-quart (946 ml) cartridges (10 per carton)
- 2-gallon (7.6 L) pails (special order)
- 5-gallon (18.9 L) pails (special order)

COLOR

- Aluminum Stone, Limestone

4. TECHNICAL DATA

Applicable Standards: Federal Specification TT-S-230C, Type I, Class A; and ASTM C-920, Type S, Grade P, Class 25, Use T,M,A & O, USDA acceptance for use in meat and poultry processing plants.

5. INSTALLATION

Joints should be designed for a maximum of +/- 25% movement at the narrowest dimension for sealant to perform properly. It is essential to remove all traces of moisture, powder, dirt, dust, grease, oil, and other foreign matter. Methods of removal may include sandblasting, wire brushing, air blasting, or sawcutting. If the joint contains asphalt-impregnated fiberboard, this must be cut back to allow for proper backer rod or barrier beneath the sealant. There must be no contact between the sealant and any amount of asphalt or tar or adhesive failure may occur.

Joint Backing: A closed-cell polyethylene rod should be used as a backer for the

Urexpan™ NR-201. Use a size that will compress about 25% when inserted into the joint. In joints too shallow for backer rod, use a polyethylene bondbreaker tape to prevent three-sided adhesion of the sealant.

Priming: Urexpan™ NR-201 adheres well without primer to fully-cured concrete and aluminum; however, P-75 Primer is recommended on masonry in exterior applications for greater long-term adhesion and in interior applications where the sealant may be subject to standing water or complete immersion. Where surfaces such as brick, quarry tile, pavers, slate, or other decorative stones or other metals are to be sealed, contact Pecora Technical Services department (800-523-6688) for installation recommendations.

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" (12 mm) but not exceeding 1" (25 mm), the depth should be maintained at 1/2" (12 mm).

TYPICAL PHYSICAL PROPERTIES at 77°F (25°C), 50% RH

Test Property	Value	Test Procedure
Rheological, must self-level @ 40°F (5° C)	Passes	ASTM C639
Extrusion rate, (seconds @ 50 psi)	<20	ASTMC603
Hardness, Shore A (25-50)	35	ASTM C661
Heat aging (max. weight loss 10) (%)	7.8	ASTM C792
No cracking or chalking	Passes	Pecora Corporation
Tack-Free (max. 72) (hours)	24-42	ASTM C679
Stain & Color change	Passes	ASTM C510
(will not stain white cement mortar. No color change)		
Cyclic movement (max loss, 1-1/2 in ²)		
Aluminum	Passes	Class 25 ASTM C719
Concrete*	Passes	Class 25 ASTM C719
Adhesion-in-peel (5 lbs. min) (psi)		
Aluminum	23	ASTM C794
Concrete*	23	ASTM C794
Accelerated weathering (No cracking)	Passes	ASTM C793

*with P-75 Primer

Cure Time: Sealant is designed to be tack-free within 72 hours at 77°F.(25°C), 50% relative humidity (R.H). Since Urexpan® NR-201 is a moisture-curing sealant, higher R.H. will accelerate curing while a lower R.H. will tend to retard the curing. At normal temperature-humidity conditions, sealant will cure at approximately 1/8" (3 mm) per day.

Cleaning: Remove excess sealant promptly from hands and equipment using mineral spirits*.

**(Solvent mentioned is toxic and flammable; observe manufacturers precautions and refer to Material Safety Data Sheets).*

Storage Life: Approximately 6 months when stored below 80°F (27°C) in original, unopened containers.

Precautions: Contains diisocyanates. Avoid prolonged breathing of vapors and contact with skin and eyes. Wash hands thoroughly after use and before eating or smoking. Upon accidental contact with eyes, flush thoroughly with water and seek medical attention at once. Refer to Material Safety Data Sheet.

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

6. AVAILABILITY AND COST

Pecora products are available from our plants and warehouses, or from stocking distributors in all major cities. For the name and telephone number of your nearest representative call one of our locations listed 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 installed in accordance with our published recommendations and in applications considered by us as suitable for this product. 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.

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 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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