

JOINT SEAL 600 UV TECHNICAL DATA

PREVIOUSLY NAMED E-Z POUR

**100% Pure Aliphatic Polyurea
Concrete Joint & Crack Sealant
Non-Crack, Non-Yellowing**

1. PRODUCT NAME

JOINT SEAL 600 UV

2. MANUFACTURER

SOLID SOLUTION PRODUCTS, INC.

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3. PRODUCT DESCRIPTION

Composition

Joint Seal 600 UV is a three component, 100% solids self-leveling semi-rigid modified **aliphatic** polyurea joint sealant. When cured **Joint Seal 600 UV** is a rubberlike solid with a hardness of Shore 80A and 600% elongation.

Basic Use

Joint Seal 600 UV is an interior horizontal concrete joint and random crack sealant for commercial, retail, grocery, residential, decorative, and other concrete floors. Note: **Joint Seal 600 UV** can be used outside for level un-sloped areas.

Features and Advantages

Joint Seal 600 UV has been independently tested to meet or exceed the more rigorous "Standard Specification for Elastomeric Joint Sealants" ASTM C920-18, Type M, Class 12.5, Grade P / Use T, M, (Class 2).

ASTM C639	Self-Leveling
ASTM C661	Shore A 77
ASTM C1246	No Cracking or Chalking
ASTM C679	Tack Free Time 1 hour
ASTM C510	No Stain or Color Change
ASTM C793	No Cracking or Chalking
ASTM C719	"0" separation
ASTM C794	16.72 (lbf/in.)

A complete test report by Testing, Engineering & Consulting Services, Inc. is available on request.

Joint Seal 600 UV has a slower gel time which allows for greater wet-out and significantly improves adhesion to concrete. Because it has greater adhesion along with **600%** elongation, **Joint Seal 600 UV** has less incidence of sealant separation from joint sidewalls than joint fillers.

- Moisture Insensitive
- UV Proof
- USDA/FSIS approved
- Flexible, High Elongation
- Meets California VOC and AQMD Requirements
- 100% Solid
- Odorless
- Non-Toxic

4. PACKAGING AND COLOR

Joint Seal 600 UV is packaged in

- One Gallon Kit with Two Half-Gallon Units
- One Gallon Kit with Four Quart Units
- Six Gallon Kit
- One & Fourth Gallon Kit

Joint Seal 600 UV Pigment - 25 Standard Colors.

Custom colors are available.

5. TECHNICAL PROPERTIES

Mix Ratio by Volume.....	5A:1B
Hardness, ASTM D-2240	80 ± 4 Shore A
Elongation, ASTM D-412	600 ± 50%
Tensile Strength, ASTM D-412	2000 ± 200 psi
	13.8 ± 1.4 MPa
Gel Time at 75°F (24°C), ASTM D-2471	15 min.
UV Tested ASTM G154	Minimum Change
Tear Strength, ASTM D-624	425 ± 50 pli
	74.5 ± 8.8 kNm
Total Solids by Weight, ASTM D-2369	100%
Total Solids by Volume, ASTM D-2697	100%

6. INSTALLATION

Allow concrete to cure 28 days before installation. Longer putting off the installing of joint filler the better to allow for concrete shrinkage.

Preparation: All joints must be clean, dust-free, and dry prior to installing. If a joint is damp, dry with a heat torch. Recommended cleaning method is with a dustless concrete saw equipped with a diamond or abrasive blade. Hold the saw to one side the length of the joint in one direction then repeat to other side. Joints should be re-vacuumed after saw.

Gallon Kit: Begin by first emptying **Pigment Bag** into the **A-side Bottle**. Then empty the **B-side Bag** into the **A-side Bottle**. Using an **E-Z Mixer**, attach **mixer** to a variable speed drill, carefully controlling the speed while raising and lowering mixing head focus on touching the inside of the bottle. Mix until a homogeneous mixture and color are obtained. ***2 min.** minimum for quart unit & ***2-1/2 min.** minimum for 1/2gal units. Remove mixer while holding rubber splashguard in order to squeegee product off of the mixer and back into the bottle. Clean mixer with paper towel. ***Note: Temperatures below 70°F will require additional mixing time.**

Quart Unit: Attach spout to A-Side bottle. The spout can be cut to increase nozzle-hole size. **Half-Gallon Unit:** Attach extended nozzle to A-side bottle and place into **EZ-Gun**.

6. INSTALLATION CONTINUED

Application: Where full depth joint filling is not required an open-cell backer-rod can be placed 1/2" below floor surface. Where full depth is required, backer-rod can be installed and pushed to bottom of joint. Install product into joint or crack with minimal over-fill. When filling joint full depth, a double pass is recommended. After approx. 2 hours, slice off over-pour.

Special Note: Working time for the product is approximately 10 minutes after mixing depending on material and ambient temperatures. Higher product and ambient temperatures will reduce working times. Ensure bottom of joints or cracks are sealed off with open-cell backer rod or sand to prevent sinker.

Joint Seal 600 UV takes approx. 12 hours to reach its full physical properties. Allow sufficient cure time before grinding/polishing over joints or cracks.

7. COVERAGE RATES

Coverage: LINEAL FEET PER GALLON				
INCHES	WIDTH			
DEPTH	1/4	1/2	3/4	1
1/2	154	77	51	39
3/4	103	51	34	26
1	77	39	26	19

8. SAFETY & CLEAN-UP CONTINUED

This product for professionals use only. Read SDS before using. Cured product may be disposed of without restriction. Check local, state and federal laws before disposing of material.

9. LIMITATIONS

Do not dilute **Joint Seal 600 UV** under any circumstances.

Joint Seal 600 UV can be applied at ambient temperatures from 32°F (0°C) to as high as 135°F (57°C).

The product needs to be conditioned at 70-75°F prior to use.

Joint Seal 600 UV should be stored at room temperature, 60-80°F (15-27°C).

Joint Seal 600 UV has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 50-80°F (15-27°C).

10. WARNING

This product contains Isocyanates and Curatives. Read SDS before using.

11. WARRANTY

Solid Solution Products, Inc. will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special, or consequential damages, or for any charges or expenses of any nature incurred without its written consent.