



SOLID SOLUTION PRODUCTS, INC.

SSP-50

TECH DATA

100% Polyurea Self-Leveling Concrete Joint & Crack Filler

1. PRODUCT NAME

SSP-50

2. MANUFACTURER

SOLID SOLUTION PRODUCTS, INC.

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ANAHEIM, CA 92806

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3. PRODUCT DESCRIPTION

Composition

SSP-50 is a two component, 100% solids self-leveling semi-rigid Polyurea. When cured, **SSP-50** is a rubberlike solid with a hardness of Shore 50A and with 550% elongation.

Basic Use

SSP-50 is an interior or external horizontal concrete joint and random crack filler where extra elongation is needed.

- Outside Concrete Yards
- Sidewalks
- Airport Hanger
- Parking Garage

Features and Advantages

SSP-50 is 100% polyurea, whereas many joint fillers are hybrids. Being a 100% polyurea, it is not affected by ambient moisture or water. A wet surface may compromise adhesion.

- Moisture Insensitive
- Down Time 30-60 minutes
- Meets USDA Criteria
- Compliant with USGBC LEED green build standards
- Remains Flexible, Even in Cold Temperatures
- Meets California VOC and AQMD Requirements
- 100% Solid
- Odorless
- Non-Toxic

4. PACKAGING AND COLOR

SSP-50 is packaged in

- Case of 10 – 20-oz. Cartridges
- 10-Gallon Kit (2-5 Gallon Pails)

SSP-50 Standard Color is gray or non-pigmented which allow adding variety of colors in pigment packs.

5. TECHNICAL PROPERTIES

Mix Ratio by Volume.....	1A:1B
Hardness, ASTM D-2240	50 ± 5 Shore A
Elongation, ASTM D-412	550 ± 50%
Tensile Strength, ASTM D-412	425 ± 50 psi
Gel Time at 80°F (27°C), ASTM D-2471.....	35 seconds
Tack Free at 80°F (27°C),	10 minutes
Tear Strength, ASTM D-624	50 ± 10 pli
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. The longer the installation of the joint filler is put off, the more it allows 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 blade to one side the length of a joint in one direction, then repeat to other side. Joints should be re-vacuumed after being sawed.

Prior to filling of joint, an open-cell backer-rod can be placed 3/4" bellow floor surface where full depth is not required. Install product into joint or crack with minimal over-fill. Outside fill bellow surface level. When filling joint to full depth, a double pass is recommended. After approx. 1/2 hour, slice off over-pour.

Application: Apply **SSP-50** using a 1:1 ratio machine pump. Product should be conditioned to a minimum temperature of 70°F. Pre-mix B-side prior to using. Material can be applied at environmental temperatures from -20°F (-28.9°C) to as high as 135°F (57°C). Joints can be filled in a single or double pass depending on fill depth with a minimal over-fill. After about 15 minutes, over-fill can be shaved off using a razor-scraper.

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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 is for professional 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 **SSP-50** under any circumstances.

SSP-50 should be stored at room temperature, 60-80°F (15-27°C).

SSP-50 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).

Discoloration over time will occur when exposed to UV, however no change will occur in the physical properties.

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.