

The following specification text has been prepared by Solid Solution Products to assist design professionals in the preparation of a specification section covering concrete floor joint filling and sealing.

Utilize these paragraphs to insert text into Specification Section 07 92 00 – Joint Sealers or similarly titled section governing this work.

The following should be noted in using this document:

Optional text requiring a selection by the user is enclosed within brackets and as red text, e.g.: AColor: [Red.] [Black.]"

Items requiring user input are enclosed within brackets and as red text, e.g.: "[2] [ ] years."

For assistance on the use of the products in this section, contact Solid Solution Products by calling 844-439-7687 or visit their website at [www.ssppolymers.com](http://www.ssppolymers.com).

## PART 1 – GENERAL

### SUBMITTALS

Action Submittals:

Product Data: Manufacturer's descriptive data and product attributes.

Samples: [Selection samples.] [Verification samples.]

### QUALITY ASSURANCE

Retain the following to specify minimum experience of installer.

Installer Qualifications: Minimum [2] [ ] years' experience in work of this Section.

Retain the following for a full-scale mockup at the project site.

Mockup: Minimum [4] [ ] feet long, illustrating each joint filler.

## PART 2 – PRODUCTS

### MATERIALS

Retain the following for a 100 percent solids, self-leveling, semi-rigid, aliphatic polyurea joint sealer for interior horizontal concrete joints and random cracks.

Joint Sealer:

Source: E-Z Pour by Solid Solution Products, [www.ssppolymers.com](http://www.ssppolymers.com) [or approved substitute].

Description: Self-leveling, semi-rigid aliphatic polyurea joint filler.

Hardness: Shore A 80 plus or minus 4, tested to ASTM D2240.

Elongation: 600 plus or minus 50 percent, tested to ASTM D412.

Ultraviolet resistance: Minimal change, tested to ASTM G154.

Tensile strength: 2000 plus or minus 200 PSI, tested to ASTM D412.

Tear strength: 425 plus or minus 50 PLI, tested to ASTM D624.

Color: [\_\_\_\_\_] [To be selected from manufacturer's standards.] [Custom color to be selected.]

Retain the following for a 100 percent solids, self-levelling, semi-rigid polyurea joint sealer for interior horizontal concrete joints and random cracks.

Joint Sealer:

Source: SSP-100 by Solid Solution Products, [www.ssppolymers.com](http://www.ssppolymers.com) [or approved substitute].

Description: Self-leveling, semi-rigid polyurea joint filler.

Hardness: Shore A85 plus or minus 4, tested to ASTM D2240.  
Elongation: 300 plus or minus 50 percent, tested to ASTM D412.  
Tensile strength: 1700 plus or minus 200 PSI, tested to ASTM D412.  
Tear strength: 250 plus or minus 30 PLI, tested to ASTM D624.  
Color: [ \_\_\_\_ ] [To be selected from manufacturer's standards.] [Custom color to be selected.]

Retain the following for a two-component, 100 percent solids, self-levelling, semi-rigid polyurea hybrid joint sealer for interior horizontal concrete joints and random cracks.

Joint Sealer:

Source: SSP-90 by Solid Solution Products, [www.sppolymers.com](http://www.sppolymers.com) [or approved substitute].  
Description: Two-component, self-leveling, semi-rigid polyurea hybrid joint filler.  
Hardness: Shore A 90 to 93, tested to ASTM D2240.  
Elongation: 180 to 200 percent, tested to ASTM D412.  
Tensile strength: 900 to 1000 PSI, tested to ASTM D412.  
Color: [ \_\_\_\_ ] [To be selected from manufacturer's standards.] [Custom color to be selected.]

Retain the following for a two-component, 100 percent solids, self-levelling, semi-rigid polyurea hybrid joint sealer for interior horizontal concrete joints and random cracks.

Joint Sealer:

Source: SSP-85 by Solid Solution Products, [www.sppolymers.com](http://www.sppolymers.com) [or approved substitute].  
Description: Two-component, self-leveling, semi-rigid polyurea hybrid joint filler.  
Hardness: Shore A 82 plus or minus 5, tested to ASTM D2240.  
Elongation: 180 to 200 percent, tested to ASTM D412.  
Tensile strength: 900 to 1000 PSI, tested to ASTM D412.  
Color: [ \_\_\_\_ ] [To be selected from manufacturer's standards.] [Custom color to be selected.]

Retain the following for a two-component, 100 percent solids, self-levelling, semi-rigid polyurea joint sealer for interior and exterior horizontal concrete joints and random cracks where extra elongation is needed.

Joint Sealer:

Source: SSP-50 by Solid Solution Products, [www.sppolymers.com](http://www.sppolymers.com) [or approved substitute].  
Description: Two-component, self-leveling, semi-rigid polyurea joint filler.  
Hardness: Shore A 50 plus or minus 5, tested to ASTM D2240.  
Elongation: 550 plus or minus 50 percent, tested to ASTM D412.  
Tensile strength: 425 plus or minus 50 PSI, tested to ASTM D412.  
Tear strength: 50 plus or minus 10 PLI, tested to ASTM D624.  
Color: [ \_\_\_\_ ] [To be selected from manufacturer's standards.] [Custom color to be selected.]

## PART 3 – EXECUTION

### PREPARATION

Prepare surfaces to receive repairs in accordance with manufacturer's instructions.

### APPLICATION

Apply materials in accordance with manufacturer's instructions.

Finish patches and repairs flush with adjacent surfaces.

Close areas to traffic until repairs have cured.