

# PPG SL85 Joint Fill

## DESCRIPTION

Two-component, 100% solids, self-leveling, rapid curing modified polyurea control joint filler

## PRINCIPAL CHARACTERISTICS

- 100% solids
- Fast return to service
- Remains flexible at lower temperatures
- Cures at temperatures from -40°F (-40°C) to 130°F (54°C)
- Will not smear in polished concrete applications
- TYPICAL USES:
- Suitable for interior control joints and cracks in horizontal concrete surfaces
- Suitable for industrial areas with heavy traffic
- Suitable for repairing damaged control joints and cracks in cold storage facilities and food processing plants
- Protection of the vertical edges of concrete from spalling under extreme loading
- Not suitable where thermal cycling can occur
- Not recommended for use in non-breathing, resilient or polymer flooring systems

## COLOR AND GLOSS LEVEL

- Light Gray, Concrete Gray, Ryno Gray, Dark Gray, Signal Grey, Black, Tile Red
- Semi-gloss

## BASIC DATA AT 20°C (68°F)

| Data for mixed product |  |
|------------------------|--|
| Number of components   | Two  |
| Volume solids          | 100%   |
| VOC (Supplied)         | EPA Method 24: 0.0 lb/US gal (0.0 g/l)   |
| Dry to touch           | 10 minutes   |
| Curing time            | 1 hour   |
| Shelf life             | Part A: at least 12 months when stored cool and dry<br>Part B: at least 12 months when stored cool and dry |

### Notes:

- Material should be stored in dry conditions, out of direct sunlight, and in unopened original factory containers, at temperatures above 70°F (21°C) and below 95°F (35°C)
- See ADDITIONAL DATA - Drying/Curing details for gel time and tack-free time



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## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- All surfaces must be sound, dry, clean, free of oil, grease, dirt, mildew, curing compounds, loose and flaking paint, and other foreign substances
  - Prepare joint in a manner that takes both joint walls back to bare concrete, removing all saw laitance, cure compounds, sealers, debris, etc.
  - Prepare joint using a vacuum-equipped saw that will reach the base of the saw-cut joint or to a depth of 2 inch (5.1 cm) in the case of through-slab construction joints
  - Joints should be ground to remove dirt and surface laitance using a grinder with a diamond or carbide blade
  - Joints may be cleaned using either two cleaning passes (one along each side of the joint) or a single cleaning pass using a blade that is slightly wider than the joint to be cleaned
  - Where joints have minor edge chips or spalls, areas may be squared off or filled along with the joint itself or repaired using PPG Quick Mender® Concrete Repair
  - Compressible backer rod is prohibited in saw-cut joints unless 2 inch (5.1 cm) depth is exceeded. Saw cut joints should be filled full-depth
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## INSTRUCTIONS FOR USE

### **Mixing ratio by volume: 1:1 (Part A to Part B)**

- Prior to mixing, the temperature of Part A and Part B should each be at least 70°F (21°C)
  - For products provided in pails: Pre-mix Part A components thoroughly to redistribute any settlement that may have occurred
  - For products provided in cartridges: Shake cartridge sets vigorously for several minutes to ensure homogenous distribution of base components
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### **Application**

- Defer installation for as long as possible after slab placement. For best adhesion, the product should be installed no earlier than 28 days after slab placement
  - For products provided in pails: Apply using plural component pump and 30-element static mix wand (1/2 or 3/8 in (1.0 - 1.3 cm)
  - For products provided in cartridges: Use Cartridge Dispensing Guns
  - It is recommended that material and equipment be maintained at 60°F (16°C)
  - For recommended application instructions, see working procedure
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### **Cleaning procedure**

- Use disposable plastic tools and buckets wherever possible. Cure material may be striped or peeled from plastic tools and containers
  - Steel mixers or other metal tools are more difficult to clean. They may need to be soaked in a solvent such as MEK to soften and peel cured material
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## ADDITIONAL DATA

| Physical data of cured material     |                     |
|-------------------------------------|---------------------|
| Characteristic                      | Value               |
| Tensile Strength (ASTM D412/D638)   | 1,230 psi (8.5 MPa) |
| Tensile Elongation (ASTM D412/D638) | 387%                |
| 100% Modulus (ASTM D412/D638)       | 448 psi (3.1 MPa)   |
| 200% Modulus (ASTM D412/D638)       | 889 psi (6.1 MPa)   |
| 300% Modulus (ASTM D412/D638)       | 889 psi (6.1 MPa)   |
| Tear Strength (Die C, ASTM D624)    | 252 pli             |
| Hardness, Shore A (ASTM D2240)      | 85                  |

| Additional drying/curing details |                |                      |          |
|----------------------------------|----------------|----------------------|----------|
| Substrate temperature            | Tack free time | Open to Foot Traffic | Gel time |
| 70°F (21°C)                      | 10 minutes     | 60 minutes           | 1 minute |

## Product Qualifications

- CFIA approved
- Compliant with USDA Incidental Food Contact Requirements

## DISCLAIMER

- This product is specifically suitable for use on the substrates mentioned in this document. For application on any other substrates, please always contact your distributor or PPG representative for specific instructions and in order to make sure that the product performance can be maintained.
- For industrial or professional use only

## SAFETY PRECAUTIONS

- Read all label and Safety Data Sheet (SDS) information prior to use

## WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

## REFERENCES

- Information sheet | Explanation of product data sheets



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## WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

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