

PPG SL90 Joint Fill

DESCRIPTION

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

PRINCIPAL CHARACTERISTICS

- 100% solids
- Rapid cure and return-to-service
- Remains flexible at lower temperatures
- Cures at temperatures from -40°F (-40°C) to 130°F (54°C)
- Resists jet fuel
- 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	3 minutes
Curing time	1 hour
Shelf life	Part A: at least 12 months when stored cool and dry 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 use, the temperature of Part A and Part B should 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
 - For recommended application instructions, see working procedure
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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 static mixing wand
 - For products provided in cartridges: Use Cartridge Dispensing Guns
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Cleaning procedure

- Use disposable plastic tools and buckets wherever possible. Cured material may be stripped 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 D638)	1,557 psi (10.7 MPa)
Tensile Elongation (ASTM D638)	460%
Modulus of Elasticity (ASTM D638)	422 psi (2.9 MPa)
Tear Strength (Die C, ASTM D624)	313 lb/in (5,590 kg/m)
Hardness, Shore A (ASTM D2240)	90

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

- For industrial or professional use only
- 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.

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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