PPG SL75 Joint Fill

DESCRIPTION

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

PRINCIPAL CHARACTERISTICS

- 100% solids
- Easy to apply, self-leveling
- Rapid cure and return-to-service
- Remains flexible at lower temperatures
- Cures at temperatures from -40°F (-40°C) to 130°F (54°C)
- Designed for 10-15% movement of an installed joint width
- 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
- 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

Note:

- Color changes can occur under UV-exposure without negative impact on the product performance

BASIC DATA AT 72°F (22°C)

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 Part B: at least 12 months when stored cool and dry

Notes:

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- Curing time reflects ready for service time
- Cure times will be longer at lower temperatures
- See ADDITIONAL DATA - Drying/Curing details for gel time and tack-free time
- Product will cure at sub-freezing temperatures; however, frozen concrete substrates with high moisture content will affect material adhesion and long term performance
- Store cartridges in an upright position

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 QuickMender®
- 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

Substrate temperature and application conditions

- Substrate temperature during application should be between -40°F (-40°C) and 130°F (54°C)
- Substrate temperature during application and curing should be at least 5°F (3°C) above dew point
- Moisture content should not exceed 5%

Notes:

- Joints must be completely dry. Moisture can cause bubbles to form in the products and adhesion may be reduced.
- Refrigerated and freezer areas should be held at operating temperatures for 7-14 days, if possible, prior to installation

INSTRUCTIONS FOR USE

Mixing ratio by volume: Part A to Part B 1:1

- 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 B 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 static mixing wand
- For products provided in cartridges: Use Cartridge Dispensing Guns

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

ADDITIONAL DATA

Physical data of cured material	
Characteristic	**Value**
Tensile Strength (ASTM D638)	1,230 psi (8.5 MPa)
Tensile Elongation (ASTM D638)	387%
Tensile Modulus (ASTM D638)	526 psi (3.6 MPa)
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)	>75

Note:

- The value ranges stated in this Product Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

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

Product Qualifications

- CFIA approved
- Compliant with USDA Incidental Food Contact Requirements

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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 PMC representative for specific instructions and in order to make sure that the product performance can be safeguarded.
- 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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