

PURPOSE

JOINTFILL is used for filling interior control or construction joints on horizontal concrete surfaces, such as industrial floors. JOINTFILL formulation will accommodate small joint movement yet protect joint edges from spalling under heavy loads of steel-wheeled or forklift traffic. Typical areas of use include warehouse floors, cold storage, manufacturing facilities, industrial facilities, food processing, water and waste water facilities, wire guiding systems and in cold applications where time and temperature are a concern.

DESCRIPTION

JOINTFILL is a 100% solids, two-component, self-leveling, aromatic polyurea joint filler having good flexibility and elongation, allowing 10-15% joint width movement. JOINTFILL can be installed in temperatures as low as 15°F (-9°C). JOINTFILL is a joint filler having a Shore A hardness of 75-80A and can be used in place of semi-rigid epoxy fillers. Available in dark gray.

PACKAGING

JOINTFILL is packaged in 10 gallon (37.9 L), 2 gallon (7.6 L) and 22 ounce (300 ml) cartridge (12/case) units.

BENEFITS

- ◆ Shave joints in 45 minutes
- ◆ Cures at temperatures as low as 15°F (-9°C)
- ◆ Flexible at cold temperatures
- ◆ 100% solids, V.O.C. compliant
- ◆ Odorless; no vapors
- ◆ Self-leveling
- ◆ Open to traffic in 90 minutes
- ◆ Available in bulk or cartridge

APPLICABLE STANDARDS

- ◆ Meets USDA Regulations

PROPERTIES

Pot Life

3-4 minutes

Tack Free

30 minutes

Initial Cure

90 minutes

Final Cure

7 days

Shore A Hardness (ASTM-D-2240)

75-80

Tensile Strength (ASTM-D-412)

1580 psi (5.9 MPa)

Elongation (ASTM-D-412)

550-600%

Tear Strength - Die C (ASTM-D-624)

400 pli

Tabor Abrasion (ASTM-D-4060)

280 mg loss (1000 gm, 1000 cycles, H-18 wheels)

APPLICATION

JOINTFILL should not be installed until the concrete is a minimum of 28 days old. All concrete joints must be dry for at least 5 days prior to the installation. Installation should be during the cooler part of the day or in a temperature-controlled environment. A mock up sample area should be prepared and inspected to assure acceptance of installation and appearance.

Storage: Store unopened product in a dry environment at temperatures between 55-90°F (12.8-32.2°C). Once opened, material must be used immediately or discarded. Recapping cartridges for later use is not recommended.

Preparation: All joints and joint walls must be mechanically cleaned with a diamond cutting blade to insure proper bonding. All dust, debris and old joint filler must be completely removed from the joint prior to installation of JOINTFILL. Dust and debris should be removed by a vacuum crevice tool or clean, dry oil-free air blown at > 120 cfm. All joints must be clean and dry at time of installation. Do not clean joints with water or solvents of any kind. Install closed cell backer rod at a depth of ¾" (19.0 mm) to 1" (25.4 mm) into the joint. Avoid puncturing backer rod, as it may lead to outgassing and bubbling. Use backer rod that is approximately 25% larger than the joint width. Do not use sand or open backer rod as a backer.

Mixing: The recommended application is either using cartridges or plural component metering pumps. Cartridges should be vigorously shaken for approximately 2 minutes before using. When using plural component metering pumps, both Part A and Part B must be thoroughly mixed separately prior to dispensing.

Installation: Installation should be performed during the cool part of the day, or in a temperature-controlled environment. JOINTFILL should be extruded from plural component metering pumps set for a 1:1 mixing

ratio. Purge the pump before installing mixing nozzle and make sure that equal amounts of Part A and Part B are coming out at the mixing manifold. Install mixing nozzle and purge JOINTFILL into a waste pail until a uniform color is achieved without streaking. Joints should be filled starting at one end and working toward the other. Slightly overfill joints, letting the JOINTFILL form a slightly convex surface over the joint. Let the JOINTFILL cure for approximately 30 minutes, then shave off excess flush with surface using a long handle razor floor scraper. JOINTFILL can be shaved approximately 45 minutes after installation, depending on ambient temperature. Once a container of JOINTFILL is opened for use, it must be used. Recapping and reuse should be avoided. For dispensing JOINTFILL cartridges, first remove plugs from cartridge neck, attach the static mixer to the cartridge with the nut and finger tighten. Load a cartridge into the dispensing gun and dispense an amount of JOINTFILL into a waste pail until the color is completely uniform with no streaks, then proceed to fill joints.

Coverage: Lineal feet of coverage per cartridge unit for various joint dimensions:

Depth	Width			
	¼" (6.3mm)	½" (12.7mm)	¾" (19.0mm)	1" (25.4mm)
¾" (19.0mm)	18' (5.4m)	9' (2.7m)	6' (1.8m)	4' (1.2m)
1" (25.4mm)	13' (3.9m)	7' (2.1m)	4' (1.2m)	3' (0.9m)

WARRANTY

Symons warrants, for 12 months from the date of manufacture, or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Symons, the product is free of manufacturing defects and conforms to Symons' published specifications in force on the date of acceptance by Symons of the order. Symons shall only be liable under this warranty if the material has been applied, used, and stored in accordance with Symons instructions in this technical data sheet.

The purchaser must examine the product when received and promptly notify Symons in writing of any nonconformity before the product is used, or no later than 30 days after such nonconformity is first discovered. If Symons, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the nonconforming product, refund the purchase price or issue a credit. This is the sole and exclusive remedy for breach of this warranty.

Only a Symons officer is authorized to modify this warranty. The sales information on the Symons website and received by the customer during the sales process does not supersede this warranty and the specifications of the product in force on the date of sale. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

LIMITATIONS

Do not use or install JOINTFILL in wet or damp joints, or anywhere the immediate work or joint is not dry. Do not thin JOINTFILL with any solvents or thinners. Limit the installation of JOINTFILL to sloping grades not greater than 3°.

NOTE: High temperatures will accelerate setting time, and cool temperatures will slow setting time.

CLEAN-UP

Clean tools and equipment with xylene or acetone before JOINTFILL has set.

SHELF LIFE

Shelf life in properly stored bulk containers is one year and cartridges is six months.

PRECAUTIONS

It is mandatory to take the following precautions to protect workers and the public:

1. KEEP OUT OF THE REACH OF CHILDREN.
2. Product is a strong sensitizer. Protective clothing and rubber gloves are recommended.
3. Avoid breathing product vapors. Ensure adequate ventilation.
4. Avoid contact with skin. Wash immediately and seek medical help.
5. Avoid contact with eyes. Wash immediately and seek medical help.
6. Avoid ingestion of material. If ingestion occurs, contact a poison center or physician.

Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

LIMITATION OF LIABILITY

Symons shall not be liable, in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injuries), or economic losses of any kind; or for any special, incidental, indirect, consequential, special, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, this Agreement, even if Symons could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this agreement, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

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