



JOINTFILL 302

*Flexible
Control Joint Filler*

1. Product Description

a. **Basic Use:** Jointfill 302 is a two-component epoxy joint filler designed to be used in control and construction joints in concrete industrial floors. Jointfill 302 is a low modulus, flexible joint filler used in saw cut floor joints to provide support and load-bearing capacity at the joint edges. Jointfill 302 is used in floor control joints where slight movement is possible due to thermal variations. It is available in two consistencies, self-leveling and gel, for horizontal and vertical applications.

b. Features/Benefits:

- Protects joint edges from spalling due to impact from heavy loads and steel wheel traffic.
- Low modulus formulation accommodates floor slab movement due to thermal variations.
- Consists of 100% solids epoxy to allow total compliance with VOC regulations.
- Rapid cure time drastically reduces operational downtime and allows for exposure to traffic in less than 24 hours.
- Contains no volatile solvents permitting interior application with no fire risk or toxic odors.
- Self-leveling consistency may be used to repair random cracking in concrete floor slabs due to long-term drying shrinkage.
- Gel consistency permits use as a gouge-resistant and tamper-proof joint sealant.
- Long pot life formulation is available for use when temperatures are above 80°F (27°C).

c. **Typical Applications:** Control and construction joints in industrial concrete floors; repair compound to seal and fill random cracking in floors; joints in penitentiaries where a tamper-proof and gouge-resistant sealant is required.

d. **Limitations:** Do not use outside or as an expansion/contraction sealant. New concrete slabs must be at least 3 months old before installing Jointfill 302, according to ACI 302.

e. **Composition:** Jointfill 302 is a two-component, moisture insensitive, 100% solids epoxy joint filler and sealant.

f. **Color/Appearance:** Jointfill 302 is available in medium gray and light reflective.

2. Packaging

Jointfill 302 is supplied in kits, each containing the proper proportion of liquid components. Standard packaging information is shown below:

<i>Kit Size</i>	<i>Binder</i>	<i>Activator</i>	<i>Shipping Wt.</i>
<i>1-gal. kit (3.8 liter)</i>	<i>1/2 gal. (1.9 liter)</i>	<i>1/2 gal. (1.9 liter)</i>	<i>11 lbs. (5.0 Kg)</i>
<i>2-gal kit (7.6 liter)</i>	<i>1 gal. (3.8 liter)</i>	<i>1 gal. (3.8 liter)</i>	<i>22 lbs. (10.0 Kg)</i>

3. Estimating/Coverage

One gal. (3.8 liter) of Jointfill 302 will fill the following typical joints:

<i>Joint Width</i>	<i>Joint Depth</i>			
	<i>3/4 in (19 mm)</i>	<i>1 in. (25 mm)</i>	<i>1-1/2 in. (38 mm)</i>	<i>2 in. (51 mm)</i>
<i>1/8 in. (3.2 mm)</i>	<i>205 ft. (62 m)</i>	<i>154 ft. (47 m)</i>	<i>103 ft. (31 m)</i>	<i>77 ft. (23 m)</i>
<i>1/4 in. (6.4 mm)</i>	<i>103 ft. (31 m)</i>	<i>77 ft. (23 m)</i>	<i>51 ft. (16 m)</i>	<i>39 ft. (12 m)</i>

4. Technical Data

- a. **Shrinkage:** nil
- b. **Hardness:** ASTM D 2240, Shore D 50
- c. **Elongation:** 15%
- d. **Mixing Ratio:** 1 to 1 by volume
- e. **Cure Time:** Overnight
- f. **Applicable Standards:** ACI 302, Guide for Concrete Floor and Slab Construction, Section 4.10, Joint Materials.

5. Directions for Use

- a. **Preparation:** Joint surfaces must be physically sound, thoroughly clean, free of oil, wax, loose paint, rust, scale and other deleterious material. Grinding, wire brushing or sandblasting may be required to expose a sound and clean bonding surface.
- b. **Priming:** Most concrete substrates do not require a primer.

c. **Mixing:** Thorough blending of all components is essential. Use a power drill with a Metco Jiffy mixing blade. First, mix the binder separately; then, mix the activator separately. Next, add the mixed activator to the mixed binder and thoroughly blend for at least two minutes at revolution speeds that will not entrap air bubbles into the freshly mixed Jointfill 302 epoxy compound.

d. **Application:** Before starting application, place electrical tape or similar tape at the bottom of the joint to prevent leakage of sealant. Jointfill 302 is applied by simply caulking or pouring the material into properly prepared joints or cracks. Continue filling until the joint is completely full. If Jointfill 302 settles into the joint or crack, apply additional sealant.

e. **Working Time/Pot Life:** Jointfill 302 must be installed within 10 minutes after mixing. Long pot life formulation has a working time of 30 minutes. Large units of Jointfill 302 may be split into smaller portions where usage rate is consistent with working time.

f. **Cure Time:** Jointfill 302 will be tack free in 4 to 6 hours when applied at 72°F (22°C). Cure time is overnight.

g. **Clean-Up:** Use DL Solvent or Waterzall Concentrate and water for cleaning tools and equipment.

h. **Maintenance:** Jointfill 302 surfaces should be cleaned with Waterzall Concentrate and water. Waterzall may also be used at full concentrate strength to remove built-up deposits and stains. Jointfill 302 may be reapplied to itself after proper surface preparation such as sanding or wire brushing.

6. Availability

Jointfill 302 is normally available immediately from your local distributor or it will be shipped within 5 working days upon receipt of order. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

7. Warranty

Jointfill 302 is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

8. Technical Service

Metalcrete technical service representatives are available to provide on-site assistance with a minimum three day notice.



Metalcrete Industries

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