



CRACKFILL

Flexible Crack Sealer Single Component

1. Product Description

a. **Basic Use:** Crackfill is a single component latex, very low viscosity joint and crack filler designed to penetrate and seal cracks in concrete. Crackfill is installed by simply allowing the material to penetrate the crack by gravity feed, but may also be installed by pressure injection methods. Crackfill permanently seals moving and non-moving cracks and joints in concrete.

b. **Features/Benefits:**

- Seals cracks in concrete slabs or walls to prevent water infiltration.
- Water-based formulation allows total compliance with VOC regulations.
- Very low viscosity liquid is capable of penetrating cracks as small as 0.010 in. (0.25 mm)
- Contains no volatile solvents permitting interior applications with no risk of fire or toxic odors.
- Unaffected by exposure to sun, rain, snow, ice, acid rain, ozone or sleet.
- Excellent adhesive properties seal together concrete shrinkage cracks.
- Rapid cure time drastically reduces operational downtime and allows for exposure to traffic in less than 24 hours.
- Flexible latex compound permits use where slight crack movement is possible due to thermal or structural variations.
- Easy to use gravity feed system does not require special tools, equipment or workman skills.
- May be pressure injected into vertical and overhead concrete cracks.
- Remains flexible even when exposed to 0°F (-18°C).
- Self-leveling consistency may be used to seal random cracking in concrete floors and pavement.

c. **Typical Applications:** Sealing and filling cracks in concrete parking decks, industrial floor slabs, bridge decks, driveways, sidewalks and road pavements.

d. **Limitations:** Crackfill should not be used to bond and fill cracks in concrete floors or other structural members that are less than 60 days old. Do not install

when ambient and substrate temperatures are less than 40°F (4°C). Do not allow Crackfill to freeze in storage.

e. **Composition:** Crackfill is a single component, very low viscosity, penetrating latex crack sealing compound.

f. **Color/Appearance:** Crackfill is milky white in appearance and dries to a buff color.

2. Packaging

Crackfill is available in 1-gal. (3.8 liter) jugs (4 jugs per case), and 5-gal. (18.9 liter) pails.

3. Estimating/Coverage

One mixed gal. (3.8 liter) of Crackfill will fill 231.0 cu. in. (3785 cu. cm) of cracks and joints. The exact amount of Crackfill is determined by the surface texture, porosity, and profile of the crack.

4. Technical Data

a. **Tensile Strength:** ASTM D 638; 75 psi (0.5 MPa).

b. **Elongation:** ASTM D 638; 600%.

c. **Heat Distortion Temperature:** ASTM D 648; 120°F (49°C).

5. Directions for Use

a. **Preparation:** The surface to be treated must be physically sound, thoroughly clean, free of oil, wax, rust, scale, curing compounds and other deleterious materials that will prevent proper adhesion. Grinding, wire brushing, sand blasting or cleaning with a combination of water and compressed air may be required to expose a sound and clean bonding surface.

b. **Priming:** Crackfill does not require a primer, although all crack surfaces must be predampened with water just prior to Crackfill application.

c. **Mixing:** Crackfill should be thoroughly mixed before application begins.

d. **Application:** Crackfill is applied by simply pouring the latex compound into the properly prepared crack or joint. Continue placing Crackfill until the material completely fills the crack or joint. Care should be taken to continually fill the crack as the latex compound pene-

trates into the crack or joint. Spread the latex with a squeegee or putty knife.

e. **Working Time/Pot Life:** Crackfill must be installed within 2 hours after opening container. Replace lid or cap to preserve unused material.

f. **Cure Time:** Crackfill will be tack-free in 2 hours depending on air and substrate temperature. Final cure is achieved in 3 to 5 days.

g. **Clean-Up:** Use Waterzall Concentrate and water to clean tools and equipment.

h. **Maintenance:** Crackfill surfaces should be cleaned with Waterzall Concentrate and water. Crackfill may be reapplied to itself after proper surface preparation.

6. Availability

Crackfill 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

Crackfill 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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