

Technical Data Sheet



Willamette Valley Company

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Partnering through service,
innovation, and integrity

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FamoCrete

Repair product for concrete

DESCRIPTION

FamoCrete is a rigid, sag resistant polyurethane repair product for broken or spalled concrete. Easy to use, FamoCrete is supplied in ready-to-use universal cartridge. It is 100% solids and cures quickly to form a strong bond to concrete.

WHERE TO USE

- **Walls**—fill voids or patch defects
- **Pillars**—repair damaged areas
- **Sidewalks**—transitions or spalls
- **Curbs**—broken or damaged areas

FEATURES AND BENEFITS

- **Sag-Resistant**—ideal for vertical repairs
- **Trowelable**—easy to apply
- **Excellent Adhesion**—restore damaged areas
- **Fast Cure**—quick return-to-service

PACKAGING

180ml Cartridge

COLORS

Gray

YIELD

180ml = 14.4 lineal ft at 1/4" (4.32m at 6.3mm)

SHELF LIFE

1 year when properly stored.

STORAGE

Store and ship this product in a clean, dry, low-humidity, shaded or covered environment at 60 to 90° F (15 to 32° C).

TECHNICAL INFORMATION

Typical Properties

| | |
|---|--------------------------|
| VOC , lbs/gal (g/L), ASTM D 2369 | 0 |
| Set time , seconds, 70° F (21°C) | 120 |
| Tack-free time , min., 70° F (21° C) | 30 |
| Concrete adhesion , psi (MPa), ASTM D 4541 | 500 (3.4) 100% substrate |
| Hardness , Shore A / D, ASTM D2240 | 92 / 50 |
| Viscosity , cps, ASTM D 4878, mixed | 16,000 |
| Service temperature , ° F (° C) | -40 to 180 (-40 to 82) |
| Compressive Strength , psi, ASTM D 695 | 3,000 |

Processing Parameters

| | |
|---|---------------------------|
| Application Method | Caulk Gun |
| Application temp , ° F (° C) | 50 to 90 (10 to 32) |
| Recommended thickness , in. (mm) | 0.25 – 0.50 (0.63 – 1.25) |

APPLICATION

SURFACE PREPARATION**CONCRETE:**

1. The surface being repaired must be fully cured 28 days, structurally sound (200 psi or greater according to ASTM D 4541), clean (ASTM D 4258), and dry (less than 5%, ASTM D 4263).
2. Remove contaminants, dust, and other materials from surface. Concrete must be clean, dry, and sound prior to applying FamoCrete. Remove any contaminants before profiling surface.
3. Profile surface according to ICRI Guide 03732 to a minimum of CSP 3 by grinding, abrasive blasting, or hydroblasting.
4. Use compressed air to blow out loose debris, dirt and dust prior to applying FamoCrete.
5. For applying over cured FamoCrete, follow the above procedure.

PROCESSING

1. Always protect product from freezing. Precondition cartridge to 70°F (21°C) before dispensing material.
2. Wear protective gloves, cloths, and safety glasses while handling FamoCrete. Apply the repair material when the substrate temperature is stable and above 50°F (10°C).
3. Attach the supplied mixing tube to the top of the cartridge tube.
4. Dispense material by pumping caulking gun. **DO NOT STOP FOR MORE THAN 1-MINUTE** otherwise material will cure in mixing tube. Replace mixing tube if material cures in the mixing tube.
5. **IMMEDIATELY** trowel material to level and material. Thin and cold concrete surface applications can take up to 1-hour to cure.

6. Allow the material to cure for 12-hours at 70°F (21°C). Cure time will take longer at lower temperatures and when applied in a thin application.

APPLICATION

1. Apply the material with a trowel and level to surrounding surfaces. After product has become hard, a mechanical sander can be used to level or remove excess material.
2. FamoCrete will discolor or fade under UV light; however physical and performance properties will not be affected. Use aliphatic topcoat for color stability.
3. Material cure time will vary with temperature and thickness of material applied. Thicker applied product will cure faster compared to thin applications. Heat will also speed material cure.
4. Proper application is the responsibility of the user. Field visits by WVCO Representative are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

CLEANING & MAINTENANCE

- Use acetone or other available solvents to clean equipment.
- If there is any residual material left in the cartridge, leave the used mix tube in place, and store in an upright position. To use the remainder of the material in the cartridge, un-screw lock nut, and dispose of used mix tube. Attached new mix tube, and re-use lock nut, and follow application instructions listed above. .

HEALTH AND SAFETY

Willamette Valley Company recommends reading and becoming familiar with this product before using.

Part A contains diphenylmethane diisocyanate prepolymer.
Part B contains amine resins.

DISCLAIMER OF WARRANTY

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