

Technical Data Sheet



Willamette Valley Company

www.wilvaco.com

800.333.9826

Partnering through service,
innovation, and integrity

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.

WILLAMETTE VALLEY COMPANY

www.wilvaco.com
info@wilvaco.com

DIVISIONS

WESTERN DIVISION

1075 Arrowsmith Street
PO Box 2280
Eugene, OR 97402
Tel 541.484.9621
www.POLYQUIK.com
www.SPIKEFAST.com

EASTERN DIVISION

6662 Marbut Road
Lithonia, GA 30058
Tel 888.878.9826

MIDWEST DIVISION

1549 Hwy 2
Two Harbors, MN 55616
Tel 218.834.3922

PRECISION TECHNOLOGIES DIVISION

675 McKinley Street
Eugene, OR 97402
Tel 541.484.2368
www.pre-tec.com

SOUTHERN DIVISION

100 Dixie Mae Drive
PO Box 4450
Pineville, Louisiana 71361
Tel 318.640.5077

SUBSIDIARIES

CANADIAN WILLAMETTE

325 Edworthy Way
New Westminster BC V3L 5G4
Tel. 800.663.4298

ECLECTIC PRODUCTS INC.

Corporate Office
1075 Arrowsmith Street
Eugene, OR 97402
Tel 541.284.4667
www.eclecticproducts.com

IDAHO MILL & GRAIN

445 North 430 West Hwy
Po Box 188
Malad City, Idaho 83252
Tel 208.766.2206

TAPEL WILLAMETTE LTD. S.A.

Av. Estero La Posada 3625 Parque
Industrial Coronel Coronel, Chile
Tel 011.56.41.928.100
www.tapel.cl



DISCLAIMER OF WARRANTY

TEST RESULTS ARE TO BE CONSIDERED AS REPRESENTATIVE OF CURRENT PRODUCTION AND SHOULD NOT BE TREATED AS SPECIFICATIONS. WHILE ALL THE INFORMATION PRESENTED IN THIS DOCUMENT IS BELIEVED TO BE RELIABLE AND TO REPRESENT THE BEST AVAILABLE DATA ON THESE PRODUCTS, NO GUARANTEE, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS OR SUFFICIENCY OF ANY INFORMATION, OR AS TO THE SUITABILITY OF ANY CHEMICAL COMPOUNDS FOR ANY PARTICULAR USE, OR THAT ANY CHEMICAL COMPOUNDS OR USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. EACH USER SHOULD CONDUCT A SUFFICIENT INVESTIGATION TO ESTABLISH THE SUITABILITY OF ANY PRODUCT FOR ITS INTENDED USE.

Revision Date 3-2009