



VersaFlex Incorporated  
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## **Material Processing & Handling Information**

**Material:** FX Mender  
**Material Type:** Concrete Repair Polymer  
**Application:** Concrete or Masonry Substrates  
**Application Process:** Cartridge

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**Process Equipment:** Dispensing Gun

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Manual Caulk Gun – 600 ml size (B26T600), Air Driven (AT600), Battery Driven-18 volt (E18T600)

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**Process Temperature:** Ambient

**Mix Ratio:** 1:1

**Cartridge Dispensing:** Utilize the supplied static mixing wand. After un-capping the tube ends, place mixing wand on to cartridge set and hand tighten the retaining nut.

**Moisture Content:** Maximum 5% (using Tramex Concrete Moisture Meter)

**Application Temperature:** 0°F and higher.

Note that **FX Mender** cure times will be extended with colder temperatures. Frozen concrete substrates with high moisture content will affect coating adhesion and long-term performance.

**Dew Point:** Substrate temperature must be 5°F above dew point and rising before application of material.

**Surface Prep:** Provide clean, sound and dry concrete surface. Abrasive blast or abrade surface per ICRI Technical Guideline No. 310.2R-2013 or SSPC SP13. Achieve a concrete surface profile of ICRI CSP-3 to CSP-5.

Do not use wire wheels or wire brushes to prepare the surface.

**Surface Contaminants:** Check for soluble salts on surfaces to be coated. Test with Chlor\*Test. If amount of soluble salts exceeds recommended limits, treat with Chlor\*Rid. Repeat process until acceptable limits are reached.

Maximum amounts of soluble salts (micrograms per square centimeter):

Chlorides - 3 immersion, 7 non-immersion

Nitrates - 5 immersion, 10 non-immersion

Sulphates - 10 immersion, 20 non-immersion

**Adhesion Testing:** Adhesion to concrete: minimum of 150 psi.

**Application:** Shake cartridge very well before using. Carefully dispense material in properly prepared cavity/area. Protect surrounding areas of excess material. Spread/trowel as necessary and allow to dry. Do not apply to non-porous substrates. If applying to areas that are deeper than 1.5" in depth, apply in lifts. Recommended for material temperature to be a minimum of 70° F when installing.

Used in Patching Applications: holes, divots, pop outs and re-nosing of joints. Trowel as necessary and allow to dry. Not recommended to install **FX Mender** with aggregate or as a grout coat. If material begins to foam on surface once dispensed, indicates the presence of moisture. Cut out material, allow to dry and re-install.

	<b>Storage Temp</b>	<b>Storage</b>	<b>Special Handling</b>
<b>'A' Side</b>	60°F min. 70°F optimal	Keep dry. Keep from freezing. Store in covered temperature controlled environment if possible.	Keep containers closed and protected from atmospheric contamination.
<b>'B' Side</b>	60°F min. 70°F optimal	Keep dry. Keep from freezing. Store in covered temperature controlled environment if possible.	Keep containers closed and protected from atmospheric contamination.

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**Safety:** Please consult product MSDS for full details.  
Safety glasses, rubber gloves, protective clothing, organic vapor or fresh air respirator.

**Theoretical Quantity & Mixing Recommendations:**

- 1 cubic foot = 1,728 inches or 7.48 gallons by volume. There are 231 cubic inches in 1 gallon.  
1,728 / 231 = 7.48 gallons
- See fill chart for specific volumes.