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## **Material Processing & Handling Information**

**Material:** Quick Mender®  
**Material Type:** Concrete Primer/Sealer/Repair Polymer  
**Application:** Concrete, Masonry Substrates  
**Application Process:** Plural Component Spray Pump, Squeegee, Roll or Brush

<b>Process Equipment:</b>	<b>Pump</b>	<b>Dispensing Gun</b>
<b>Plural Component:</b>	Any 1 to 1 ratio pump (no heat required)	Impingement mix
<b>Process Temperature:</b>	Ambient	
<b>Process Pressure:</b>	High pressure pumps: 450 - 500 psi Low Pressure pumps: 50 - 70 psi	
<b>Hand Process:</b>	Rubber squeegee, 3/8" nap roller or nylon bristle brush	
<b>Mix Ratio:</b>	1:1	
<b>Mix Instructions:</b>	If mixing by hand, pour equal amounts of 'B' into the 'A' component and mix for 8-10 seconds. Mix only as much product as can be placed in three minutes or less. If adding pigment to the <b>Quick Mender®</b> , mix pigment into the 'B' side until streak free then add to the 'A' side. Mix until streak free.	
<b>Moisture Content:</b>	Maximum 5% (using Tramex Concrete Moisture Meter)	
<b>Application Temperature:</b>	0°F and higher.  Note that <b>Quick Mender®</b> cure times will be extended with colder temperatures. Frozen concrete substrates with high moisture content will affect coating adhesion and long-term performance.	
<b>Dew Point:</b>	Substrate temperature must be 5°F above dew point and rising before application of coating materials.	
<b>Surface Prep:</b>	Provide clean and dry concrete surface. Abrasive blast per ICRI Technical Guideline No. 03732 or SSPC SP13. Achieve a concrete surface profile of ICRI CSP-3 to CSP-5.  Use caution using wire wheels or wire brushes to prepare the surface as this may cause burnishing and shall be avoided.	
<b>Surface Contaminants:</b>	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	
<b>Adhesion Testing:</b>	Adhesion to concrete: Minimum 150 psi. Direct pull off as per ASTM D7234.	

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**Application:** Used as a Primer: Carefully pour/dispense material to properly prepared cavity/area. Protect surrounding areas of excess material. Spread 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. If material begins to foam once dispensed, indicates presence of moisture during installation and was applied too thick. When used in cold applications, allow for longer dry times before placing back into service or topcoating.

Used in Patching Applications: holes, divots, pop outs and re-nosing of joints, aggregate needs to be mixed into the QuickMender ('A' & 'B' already mixed 1 to 1) at a 3 to 1 ratio (aggregate to Quick Mender), but not more than 4 to 1. 20 to 30 dry mesh is ideal size. Trowel as necessary and allow to dry. Recommended to apply Quick Mender with no aggregate prior to patching/filling large areas with aggregate.

May be sprayed through plural component equipment (low viscosity formulation only), squeegee, roller or brush at 8 to 10 mils. Quick Mender is not to be used on non-porous substrates.

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**Application Rates:** 150 to 200 square feet per gallon depending on substrate porosity and surface profile. Maximum overcoat time: 4 hours, after which a scuff sand and light recoat is required (2 to 4 mils wet).

If material begins to foam on surface once dispensed, indicates the presence of moisture. Remove material, allow to dry and reinstall.

	<b>Storage Temp</b>	<b>Storage</b>	<b>Special Handling</b>
<b>'A' Side</b>	50°F min 70°F optimum	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>	50°F min 70°F optimum	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.

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**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
- 2 parts aggregate to 1 part Quick Mender = preferred type mix
- 3 parts aggregate to 1 part Quick Mender = soupy type mix
- 4 parts aggregate to 1 part Quick Mender = scoop type mix
- Never mix more than 4 parts aggregate to 1 part Quick Mender