



MATERIAL PROCESSING & HANDLING INFORMATION

1. PRODUCT DETAILS

Material:	Quick Mender® X.O.
Material Type:	Concrete Repair Polymer
Application:	Concrete, Masonry Substrates
Application Process:	Squeegee, Blade, Roll or Brush

2. EQUIPMENT DETAILS

Process Equipment:	Tools
Hand Process:	Steel bladed squeegee, spring blade, 1/4" nap roller

3. PROCESS DETAILS

Process Temperature:	Ambient
Mix Ratio:	1:1 (1 Part 'A', 1 Part 'B') by volume, plus 5 to 15% of clean & dry acetone by volume may be added
Mix Instructions:	If mixing by hand, pour part 'B' into part 'A' and mix for 8-10 seconds. Mix only as much product as can be placed in three minutes. If adding pigment to the Quick Mender® X.O. , add 1 oz. of pigment into 10 oz. of the 'A' & 'B' mixture until streak free.

4. APPLICATION DETAILS

Cartridge Dispensing:	If dispensing through a cartridge set with a static mixing wand, flow restrictors have been included along with each cartridge and the static mixing wand. After un-capping the tube ends, place flow restrictors on both sides of the cartridge prior to installing static mixing wand and retaining nut.
Application Temperature:	-25°F and higher. Note that Quick Mender X.O. 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 coating materials.
Surface Preparation:	Provide clean 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.

Use caution when using wire wheels or wire brushes to prepare the surface as this may cause burnishing and shall be avoided.

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
- Sulfates - 10 immersion, 20 non-immersion

Application: Carefully pour material in properly prepared 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 applied, this 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. Use on dry concrete only. Material is sensitive to moisture.

Used in Patching Applications: holes, divots, pop outs and re-nosing of joints, aggregate needs to be mixed into the **Quick Mender X.O.** ('A' & 'B' already mixed 1 to 1) at a 3 to 1 ratio (aggregate to **Quick Mender X.O.**), 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 X.O.** as a primer with no aggregate prior to patching/filling large areas with aggregate.

May be applied up to 10 wet mils (160 square feet per gallon) with squeegee, roller or brush.

Quick Mender X.O. is not to be used on non-porous substrates.

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.

5. HANDLING DETAILS

	Storage Temp.	Storage	Special Handling
'A' Side	55°F min. 70°F optimum	Keep dry. Keep from freezing. Store in covered temperature controlled environment if possible.	Keep containers closed and dprotected from atmospheric contamination.
'B' Side	55°F min. 70°F optimum	Keep dry. Keep from freezing. Store in covered temperature controlled environment if possible.	Keep containers closed and dprotected from atmospheric contamination.

Safety: Please consult product SDS 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
- 2 parts aggregate to 1 part **Quick Mender X.O.**
- 3 parts aggregate to 1 part **Quick Mender X.O.** = soupy type mix
- 4 parts aggregate to 1 part **Quick Mender X.O.** = wet mortar type mix
- *Never* mix more than 4 parts aggregate to 1 part **Quick Mender X.O.**