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# Product Data Sheet

## Quick Mender® Repair Polymer & Concrete Primer

**Product Description - VersaFlex Quick Mender®** is a specially formulated polymer rapid repair product. In its basic low viscosity formulation, **Quick Mender®** will penetrate concrete substrates. In its highly aggregate loaded high viscosity configuration, **Quick Mender®** will act as a repair mortar and parging compound.

**Uses - Quick Mender®** may be used with all **VersaFlex** rapid curing polyurea sealants and spray coatings systems. It is designed for use in both interior and exterior concrete repair or parging situations.

### Ideal for Applications In -

- Repairing spalls and cracks in traffic areas
- Restoring integrity to dusted concrete
- Filling bug-holes on horizontal surfaces
- Used as a parging compound on horizontal surfaces to smooth concrete and masonry
- Bridge deck repairs
- Parking deck repairs
- Below grade repairs
- Spalled control joints
- Freezer applications

### Advantages -

- Ultra low viscosity in neat configuration will penetrate concrete for permanent bond
- Cures in 30 minutes for quick open to traffic
- Can cure at -30° F. Cure time will be extended at lower temperatures
- Mixed with industrial quartz sand will make a durable polymer concrete
- May be mixed with silica flour, fumed silica, and cabosil
- Self-leveling in thinner viscosities
- May be feathered edged
- Minimal surface preparation required
- Good chemical resistance
- May be bulk mixed for large area repairs
- Available in cartridges

### Physical Properties - Cured Material

Color		Amber/White
Solids Content, %		89
Elongation		6%
Shore D Hardness	ASTM D2240	71
Tensile Strength, psi	ASTM D638	4,500
Compressive Strength, neat	ASTM D638	3,800
Compressive Strength, sand filled	ASTM D695	4,450
Shrinkage	ASTM D695	None
Exudation		None
Bond Strength, psi, concrete	ASTM D4541	Concrete failure
Viscosity, cps, neat, 77° F		25
VOC, g/l		2.3
Pot Life @ 77° F		2-3 minutes
Tack Free @ 77° F		15 minutes
Open to Traffic		30 minutes
Working Time		2-3 min., 5-6 min. with aggregate

**Surface Preparation** - Provide clean and dry concrete surface. When restoring surface integrity to dusted concrete, remove loose surface material. Abrasive blast per ICRI Technical Guideline No. 03732 or SSPC SP13. Achieve a concrete surface profile of ICRI CSP-3 to CSP-5.

### **Packaging -**

- One Hundred Ten Gallon Kit: 55 gallons of 'A' side and 55 gallons of 'B' side - Drum containers filled by weight, volume is closely approximated.
- Ten Gallon Kit: 5 gallons of 'A' side and 5 gallons of 'B' side.
- Two Gallon Kit: 1 gallon can of 'A' side and 1 gallon can of 'B' side.
- Six Hundred ML Cartridge: 300ML of 'A' side and 300ML of 'B' side packaged as a duplex cartridge. Five cartridges per case.

**Mixing - Quick Mender®** is a two-component product.

- Dispense through static mixer when using cartridges.
- When mixing material, mix individual sides prior to combining 'A' side into 'B' side.

### **Application -**

- Used as a Primer: Carefully pour/dispense material into properly prepared area. Protect surrounding areas from excess material. Spread as necessary and allow to dry.
- May be sprayed through plural component equipment (low viscosity formulation only), squeegee, roller or brush at 8 to 10 mils.
- Used in Patching Applications: holes, divots, pop outs and re-nosing of joints, aggregate needs to be mixed into the **Quick Mender®** ('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.
- Please review Material Processing & Handling Information for further details. **Quick Mender®** is not to be used on non-porous substrates. **Quick Mender®** can be topcoated if desired, follow proper surface preparation procedures.

**Shelf Life** - One year, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F.

**Safety** - Not R.C.R.A. or DOT regulated. Review Material Safety Data Sheet before using. Seal container tightly after use to prevent introduction of moisture laden air.

### **Technical Services - Sales and Customer Support (913) 321-9000**

**Warranty** - **VersaFlex Incorporated** will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.