



VersaFlex Incorporated
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Product Data Sheet

QuickMender® Repair Polymer & Concrete Primer

Product Description- *VersaFlex QuickMender®* is a specially formulated polymer rapid repair product. In its basic low viscosity formulation, *QuickMender®* may be used in a variety of unique applications to repair concrete substrates.

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

Ideal for Applications in:

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

Advantages:

- Ultra low viscosity in neat configuration will penetrate concrete for permanent bond
- Cures in 30 minutes for quick open to traffic
- Can cure in -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 feather edged
- Minimal surface preparation required
- Good chemical resistance
- May be bulk mixed for large area repairs

Physical Properties-

(Typical) 1:1 Mix Ratio		
Cured Film Properties	Test Method	Typical Value
Color		Amber/white
Solids content		61%
The following properties are typical after maintaining cured product at 70-77°F for 4 days:		
Shore D hardness	ASTM D2240	60 - 65
Elongation	ASTM D412	6%
Tear Strength (lb./in.)	ASTM D624	180 - 220
Tensile strength, psi	ASTM D412	3,300 - 4,000
Tensile Elongation (%)	ASTM D638	4 - 5
Modulus of Elasticity (kpsi)	ASTM D638	150 - 200
Compressive strength, neat	ASTM D638	3,800
Compressive strength, sand filled	ASTM D695	4,450
Taber abrasion, mg wt. loss (1,000 g, 1,000 revs., H-18)	ASTM D4060	900 - 1,000
Shrinkage	ASTM D695	None
Bond strength, psi, concrete	ASTM D4541	Concrete failure
Viscosity, cps, neat, 77°F		25
VOC	Theroetical	38%
Pot life @ 77°F		2 - 3 minutes
Tack free @ 77°F		15 minutes
Open to traffic		30 minutes
Working time		2 - 3 minutes, 5 - 6 minutes with aggregate
The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.		

Packaging-

- One Hundred Ten Gallon Kit: 55 gallons of 'A' side and 55 gallons of 'B' side. Drum containers filled by weight, volume is 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 of 'B' side

Mixing- QuickMender® is a two-component product. When mixing material, thoroughly mix each side prior to combining 'B' side into 'A' side.

Surface Preparation- Provide clean and dry concrete surface. When restoring surface integrity to dusted concrete, remove loose surface material. Abrasive blast or abrade surface per ICRI Technical Guideline No. 310.2 or SSPC SP13.

Application-

- Used as a primer: Carefully pour/dispense material into properly prepared area. Protect surrounding areas from excess material. Spread as necessary with squeegee and allow to dry.
- May be sprayed through plural component equipment (low viscosity formulation only), squeegee, roller or brush to 5 to 10 wet mils.
- Used in patching applications: holes, divots, pop outs and re-nosing of joints. Dry aggregate needs to be mixed into QuickMender® ('A' & 'B' already mixed 1:1) or at a 3 to 1 ratio (aggregate to QuickMender®), 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 and User Guide for further details. QuickMender® is not to be used on non-porous substrates. QuickMender® can be top coated if desired, follow proper surface preparation procedures.

Clean Up- Cured product may be disposed of without restriction. Excess liquid 'A' & 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

Safety- Review MSDS at VersaFlex.com

Basic safety for personal protection is:

- Long sleeve overalls or disposable Tyvex overalls
- Rubber gloves
- Splash shield or safety glasses with splash guards
- Rubber or leather boots
- Respirator
- Do not use near high heat or open flame
- Do not take internally
- Keep out of reach of children

Shelf Life- One year from date of shipment, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F (18°-35°C).

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 of 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 changes or expenses of any nature incurred without its written consent.