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Product Data Sheet

Quick Mender® Repair Polymer & Polymer Modified Concrete

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 that will hide bugholes in concrete substrates and promote the adhesion of polyurea coatings.

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
- Repairing bugholes in concrete
- Used as a parging compound to smooth concrete and masonry surfaces
- 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.
- Available in cartridges, low viscosity only.
- May be bulk mixed for large area repairs.
- Cures in 15 minutes for quick open to traffic.
- Will cure to Zero (0)° 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
- Will not harden or become brittle, may be used at featheredges.
- Good chemical resistance.
- Minimum surface preparation required.
- Self-leveling in thinner viscosities.
- Will not shrink.

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		1200
Viscosity, cps, neat, 77° F		25
VOC, g/l	ASTM D4541	2.3
Pot Life @ 77° F		5 min
Tack Free @ 77° F		15 min
Final Cure @ 77° F		20 min

Surface Preparations- Provide clean concrete surface.

When restoring surface integrity to dusted concrete, remove loose surface material.

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 approximate.
- 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 or three component product.

- Dispense through static mixer when using cartridges.
- When mixing bulk material mix individual sides prior to combining "A" side into "B" side.
- When loading aggregate for non-sag vertical and overhead work mix only enough material so that complete mixing operation will be complete with five minutes after side "A" is combined with Side "B". Quickly mix three components for to assure a smooth, homogeneous blend.
- May be spray applied through plural component equipment. Use proper respirators.

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

Application Recommendations-

- Prime crack areas and damaged control joints with neat **Quick Mender®** material prior to repair.
- If area is wet prime with neat **Quick Mender®** material. Allow primer to dry to touch prior to installing repair.
- For use as a non-skid texture coat, fill area with aggregate and flood with **Quick Mender®** neat material. Broadcast additional aggregate onto flood coat until areas is completely dry. Broom off excess aggregate after **Quick Mender®** has taken initial cure.

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

Technical Services-Sales and Customer Support (800) 870-8842

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.