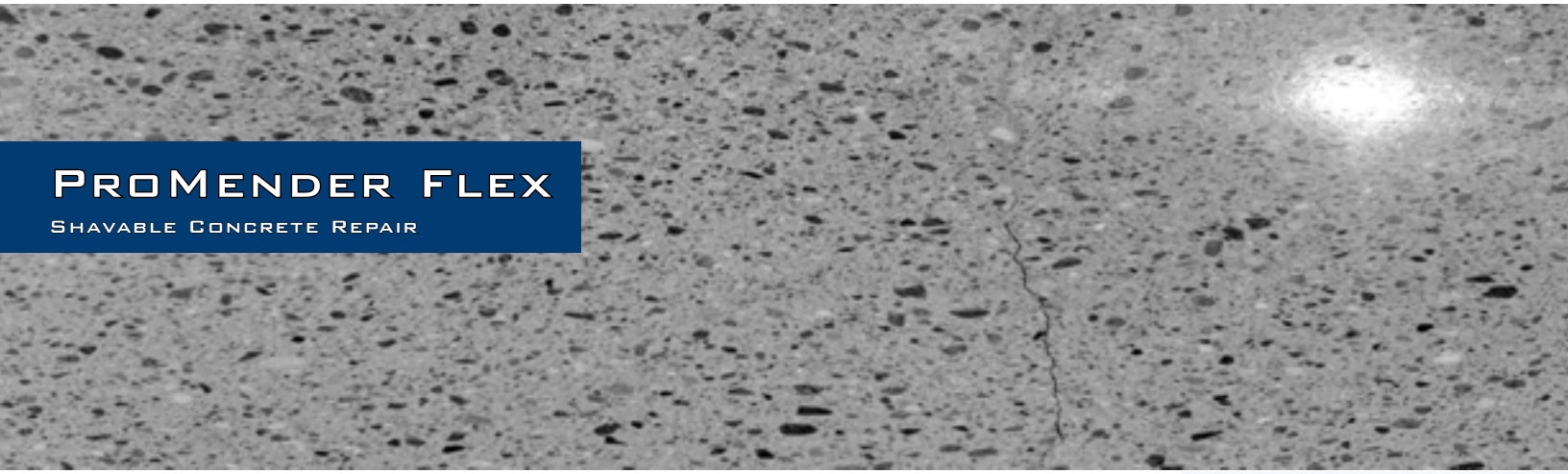

ProMender Flex

Shavable Concrete Repair

ProMender Flex is a rapid set, high strength low viscosity modified polymer repair material for concrete. This technologically advanced two part, 1:1 system is 100% solids and is designed for rapidly and structurally filling of cracks in concrete. It offers slight flexibility for ease of shaving.

Applications

- Filling cracks in concrete on parking decks
- High traffic area crack repairs
- Used to "knit" cracked slabs

Advantages

- 100% Solids
- Cures from -20 F to 130 F.
- "Drive-Over" in 45 minutes
- Self-leveling
- Self Priming
- Fast initial set; rapid gain to ultimate strengths.

Limitations

- Do not thin, solvents will prevent proper cure.
- Avoid exposure to moisture prior to curing
- Concrete should be at least 28 days old prior to application

Physical Properties

Viscosity (mixed)	100-130 cps
Shore "D" Hardness (ASTM D-2240)	53 to 56D
Tensil Strength, PSI (ASTM D412)	4900
Pot Life 100 grams at 74°F	180 Seconds
Elongation % (ASTM D-412)	10%-12%
Compressive Strength (ASTM D-695)	
Material Neat	3000 psi
Material with Sand	4100 psi
Bond Strength (ASTM 882-99)	4000 psi

Available in

22 oz. Cartridges
2 Gallon Kits
10 Gallon Kits

Shelf Life

1 year in original unopened container.

Storage Conditions

Store material between 55°F and 85°F.

Pot Life

Approx. 180 Seconds
(100 gram mass)

Appearance

Off White, Custom Color Matching Available

Safety Data

Coverage Information

Must consider waste. For random cracks,guesstimate the average size. Crack depth isunknown causing more or less use of the product. For bulk repairs, calculate the cubic inches required.

1 gallon = 231 cubic inches.
1 part sand to 1 part product typically doubles the amount.

22 Ounce Cartridge Coverage Rate - LF Per Cartridge

Crack Depth	1/4"	1/2"	3/4"	1"	1 1/4"	1 1/2"
1/4"	52.9					
1/2"	26.5	13.2				
3/4"	17.6	8.8	5.9			
1"	13.2	6.6	4.4	3.3		
1 1/4"	10.6	5.3	3.5	2.6	2.1	
1 1/2"	8.8	4.4	2.9	2.2	1.8	1.5
1 3/4"	7.6	3.8	2.5	1.9	1.5	1.2
2"	6.6	3.3	2.2	1.6	1.3	1.1
2 1/2"	5.3	2.6	1.8	1.3	1.1	.87
3"	4.4	2.2	1.5	1.1	.87	.73
4"	39	26	19	13	10	5

Chemical Resistance

Test Procedure; ASTM D-1308 @72°F
R=Recommend
RC=Recommend Conditional =some swelling or discoloration
N=Not Recommend
1=Some discoloration only

Chemical	Result
Acetic Acid 10 %	R
Acetone	RC
Battery Acid (Sulfuric Acid)	RC
Brake fluid	R
Chlorine (2,000 ppm in water)	R
Citric Acid	R
Gasoline	R
Hydraulic Oil	R-1
Methanol (5%) Gasoline	RC
Motor Oil	R-1
Toluene	RC
Vinegar	R
Water	R
Xylene	R

Application Recommendations

Condition material to at least 70°F before use. If neeed, tint should be added to “B” side container only and mixed for at least 90 seconds. For bulk use, measure equal parts “A” and “B” into two separate plastic mixing containers. Pour measured “A” and “B” separately into in a third plastic mixing container and stir for at least 20 seconds.

Clean the area of debris and contaminants thatwould act to de-bond ProMender Flex such as oils,loose materials, dirt, rubber etc. Expose clean rough concrete for best results. If using a saw to cut concrete and clean the crack, remove all the dust from the cut out area. Make sure the area is dry. Vacuum or blow off cement dust. ProMender Flex is slightly moisture sensitive and should not be applied to very wet surfaces.

Material should cure for at least 1 hour before shaving flush with a razor scraper. After 3 hours product may be difficult to shave and may need to be ground flush with a flexible grinding wheel.

Disposal & Clean Up

Empty containers must be drip free. Cured product may be disposed of without restrictions. Excess liquid ‘A’ and ‘B’ material should be mixed together and allowed to cure, then disposed of in the normal manner. Cured materials may be stripped or peeled from plas-tic tools and containers. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured material form tool.

Safety & Handling

SDS will be mailed immediately upon receipt of a purchase order or upon request. All personnel should read and un-derstand prod-uct Safety Data Sheets provided. Long sleeved overall or disposable overalls, rubber gloves, splash shields, rubber or leather boots should be worn. Do not use near high heat or open flame. Do not take internally. Keep out of the reach of children.

Warranty

HI-TECH warrants its products to be free of manufacturing defects will meet HI-TECH’s current published physical properties when applied in accordance with HI-TECH’s directions and tested in accordance with ASTM and HI-TECH’s standards. There are no other warranties by HI-TECH of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. HI-TECH Corporation shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, including any warranty of merchantability or fitness for a par-ticular purpose or from any other cause whatsoever.

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