



TECHNICAL DATA SHEET

TX-PMF REPAIR MATERIAL

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

APPLICATIONS

- Filling cracks in concrete on parking decks
- High traffic area crack repairs
- Repairing or "knitting" cracked slabs

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

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

PHYSICAL PROPERTIES

Viscosity (mixed)	100-130 cps
Shore "D" Hardness (ASTM D-2240)	53 to 56D
Tensile 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

Recommended storage temperature is between 75°F to 95°F. Do not store below 45°F.

Pot Life

Approx. 180 Seconds(100 gram mass)

Appearance

Off-white
Custom color matching available

TX-PMF

REPAIR MATERIAL

COVERAGE INFORMATION

Must consider waste. For random cracks, guesstimate the average size. Crack depth is unknown 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

	1/8"	3/16"	1/4"	3/8"	1/2"	3/4"	1"
1/8"	1232	821	616	411	308	205	154
1/4"	616	411	308	205	154	103	77
1/2"	308	205	154	103	77	51	39
3/4"	205	137	103	68	51	34	26
1"	154	103	77	51	39	26	19
1 1/2"	103	68	51	34	26	19	13
2"	77	51	39	26	19	13	10
2 1/2"	62	41	31	21	15	10	7
3"	51	34	26	17	13	8	6
4"	39	26	19	13	10	7	5

CHEMICAL RESISTANCE

Test Procedure; ASTM D-1308 @72°F

R= Recommend

RC = Recommend Conditional = some swelling or discoloration

N = Not Recommend

I = Some discoloration only

Chemical

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

Result

- R
- RC
- RC
- R
- R
- R
- R
- R-1
- RC
- R-1
- RC
- R
- R
- R

APPLICATION RECOMMENDATIONS

Condition material to at least 70°F before use. If needed, 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 that would act to de-bond TX-PMF 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. TX-PMF 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.

SAFETY & HANDLING

SDS will be mailed immediately upon receipt of a purchase order or upon request. All personnel should read and understand product 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.

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 plastic tools and containers. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured material from tool.

WARRANTY

HTS products are free of manufacturing defects. When applied in accordance with HTS'S directions and tested in compliance with ASTM and HTS's standards, CD-HS will meet current published physical properties. There are no other warranties by HTS of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. HTS 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. This includes any warranty of merchantability or fitness for a particular purpose or from any other cause whatsoever.



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