



TECHNICAL DATA SHEET

CR MENDER

CR Mender is a plural component, low viscosity, rapid cure polyurea crack and spall repair material. Extended potlife gives you a full 10-15 minutes of working time making it very user friendly. This versatile material is designed to be used as a stand-alone material or mixed with dry silica sand to make a thicker build formula. CR Mender is perfect for rebuilding cracks, expansions, skim coatings floors to fill in air holes, and to fill in missing sections of concrete.

BENEFITS AND FEATURES

- Foot traffic in 10-15 minutes, 2 hour recoat window
- Easy to mix one A to one B ratio
- Extreme durability and grinds easily
- Leave a very smooth finish after profiled
- Extreme adhesion to substrate
- Any temperature cure
- Rapid return to service, no down time
- Endless possibilities of applications

USES AND APPLICATIONS

- Cracks
- Pitting
- Spalling
- Vertical repairs
- Front edge repairs
- Residential, Industrial and Commercial use
- Anchoring
- Filling micro air holes
- Leveling uneven concrete

PRODUCT PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	4,500
Compressive Strength	ASTM D695	4,000 psi
Impact Resistance	ASTM D2794	300 lbs.
Flexibility (1/8 Mandrel)	ASTM D2794	Pass
Elongation %	ASTM D412	8%

PRODUCT CURE TIMES

Tack Free Time @ 70 Degrees Hard	10-15 Mins
Dry	15 Mins
Foot Traffic	10-15 Mins
Re Coat	2 Hours

ADHESION

ASTMD 4541 Elcometer	
Concrete Substrate Failure Steel	550 PSI
Delamination	700 PSI
Wood Substrate Failure	550 PSI

SURFACE PREPARATION

New concrete must have a 28 day and clean of and debris before filling. In the case of older concrete flooring, remove all surface oils, paint, dust and debris. Use a crack chasing V blade to prepare cracks and deep pits to assure sidewalls are clear of any dirt and debris. Vacuum out cracks and remove any loose pieces of concrete before replacing.

RECOMMENDED COVERAGE RATES

Coverage rate will vary greatly on every job depending on size and porosity of substrate. Mixing CR Mender with silica sand will extend the coverage rate of material.

MIXING RATIO OF 1 PART A : 1 PART B

Always pre mix each side before use. Depending on the size and amount of repairs, the mixing size will vary. For small cracks, mix a small batch of material without sand for 2 minutes with a low speed drill or stir stick. Pour material into crack and overfill to assure a smooth finish once profiled. For larger cracks mix material with dry silica sand for 2 minutes using a low speed drill and using a plastic trowel or putty knife, apply product to cracks and strike off to leave a smooth finish. For extensive areas that need to be flooded or micro air hole filling, mix material for 2 minutes with a low speed drill and spread material with a rigid steel blade scraper or trowel. This will fill in all low spots and leave a smooth uniform finish after



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profiled. All CR Mender will need to be profiled once cured. Always overfill repair areas and grind flush with hand grinder or walk behind grinder. Once profiled any Penntek's basecoat can be applied over material.

REDUCERS

CR Mender cannot be reduced.

STORAGE

All containers should be stored at 40° F to 95° F and be kept tightly sealed and out of direct sunlight. Shelf life of unopened containers is 12 months.

PACKAGING

Available in 2 and 10 gallon kit. Available in 2 speeds for all climate conditions.
Summer, Winter

CLEAN UP

All tools should be cleaned with MEK or Acetone as soon as possible after application.

WARRANTY

Penntek Industrial Coatings warrants to the purchaser of its products that such products are free from manufacturing defect. Penntek Industrial Coatings does not warrant or guarantee the workmanship performed by any person or firm installing its products. Penntek Industrial Coatings obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Penntek Industrial Coatings sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Penntek Industrial Coatings examination shall disclose to Penntek Industrial Coatings satisfaction to be thus defective.

Please read material safety data before using product.

Disclaimer:

All statements and recommendations are based on contractor experience and is believe to be reliable. Penntek Industrial Coatings make no warranty, expressed or implied, as to results or hazard from its use. The suitability, risk and liability whatsoever of a product for it's intended use shall be solely up to the User. Penntek Industrial Coatings reserves the right to investigate any misuse of products and information.