

PRODUCT DESCRIPTION

ROCK-TRED ROCK-MENDER is an ultra-fast cure 100% solids solvent-free and VOC compliant, 2-component high-strength polyurea patching material. ROCK-MENDER is formulated to allow for heavy vehicular traffic within 10 minutes of application. ROCK-MENDER is an extremely low viscosity product that allows for deep penetration into the concrete substrate for superior adhesion.

USES

ROCK-MENDER is excellent for interior applications up to 130° F and will cure down to 0° F. ROCK-MENDER is designed for repairing concrete spalls and rebuilding non-moving joints and cracks either as a finished product or prior to applying a ROCK-TRED flooring system.

ADVANTAGES

- Cures down to 0° F
- Quickly achieves high compressive strength
- Cures naturally to a GRAY color, but can be field pigmented in limited ROCK-TRED Standard Colors
- Low viscosity for deep penetration and best adhesion
- Easy mix ratio
- Heavy traffic in 10 minutes @ 75°F
- User-friendly product

COLOR AND TEXTURES

ROCK-MENDER will naturally cure to a gray color. Select ROCK-TRED Universal Colorants may be added to the resin at time of mixing per the following chart, but the resulting colors will not perfectly match the ROCK-TRED Standard Color chart upon cure.

Various textures can be achieved by broadcasting different aggregates into the finish before cure.

PACKAGING

Supplied in complete A+B 2 gallon (7.57 L).

Mix ratio 1A : 1B

TECHNICAL DATA

Mixing Ratio by Volume	1A : 1B
Viscosity (mixed)	<150 CPS Typical
VOC (when mixed as intended)	<25 g/L
Solids Content, by Volume	100%
Tensile Strength (ASTM D-412)	3,444
Hardness (ASTM D-2240)	75 (Shore D)
Compressive Yield Strength, (ASTM D-695)	8,000 psi
Application Temps.	0° - 130° F
Working time @ 75° F	90 seconds
Recoat time @ 75° F	10 minutes
'Open' to foot traffic @ 75° F	10 minutes
'Open' to vehicle traffic @ 75° F	10 minutes
Shelf Life	6 months in unopened containers

Higher temperatures reduce pot life and cure time, lower temperatures increase pot life and cure time.

SURFACE PREPARATION

Always apply ROCK-TRED products to a clean / sound substrate that is free of laitance, grease, oils, debris, and curing compounds. Concrete substrates should be cured for a minimum of 28 days prior to application of product [except as otherwise noted on the individual Product Data Sheet]. Whenever possible, remove existing coatings and/or flooring systems completely; if complete removal is not possible always perform tests to determine adhesion and compatibility to the existing flooring. Mechanical surface preparation to a CSP-2 minimum profile by means of a shot-blasting or rotary diamond grinding machine is the best and recommended preparation method for ROCK-MENDER. If the substrate is not properly prepared and the appropriate profile is not achieved, failure of the product to adhere to the substrate may occur.

MIXING

Pour Part A into mixing vessel. Pour equal amount of Part B into mixing vessel and mix on low speed with a spiral mixing blade (300 RPM) or by hand with a stir stick for 30 seconds until a homogenous blend is achieved.

APPLICATION

1. Joint/Crack Repair: Apply a thin layer of ROCK-MENDER liquids directly to the crack or joint to be repaired via brush. Immediately fill the joint or crack nearly to level with 35/50 Mesh Silica aggregate. Pour ROCK-MENDER liquids over sand to fill the repair to flush. The low viscosity liquids will seep into the aggregate quickly. Finish the wet aggregate quickly with a trowel to smooth the surface of the repair.
2. Deep Fill or Overlay Repair: After mixing liquids per above instructions add 35/50 Mesh Silica aggregate into the mixed ROCK-MENDER liquids at a ratio of 10 pounds aggregate per mixed gallon of liquids. Blend quickly with a stir stick or spiral blade just until aggregate is fully wet out. Pour into area to repair and finish with a trowel. More 35/50 Mesh Silica aggregate may be broadcast into the wet liquids once they are placed to bulk up the repair as needed. Apply in maximum ¼" lifts. Do not overwork the material once placed or the finish will not be smooth.

SHELF LIFE

One [1] year from date of manufacture, in original unopened container. Store away from heat sources between 50°F and 85°F (10°C – 30°C).

CHEMICAL RESISTANCE

Contact Technical Support for additional information.

PRODUCT STORAGE

DO NOT allow ROCK-TRED products to freeze. All ROCK-TRED products should be properly stored above the floor on pallets or shelves, and in an area that has a constant minimum temperature of 50°F (10°C).

CLEAN-UP

Application tools and equipment can be cleaned with xylene or toluene.

DISPOSAL

Product containers will contain product residue and must be disposed of properly. Label warnings must be observed at all times. All containers must be disposed in accordance with federal, state, and local regulations.

IMPORTANT NOTICE

Always read and acquaint yourself with ROCK-TRED'S Product Data Sheet, SDS [safety data sheet], and product labels for each individual product prior to mixing and prior to use.

For further assistance, product questions, additional information and/or unexpected or unusual installation conditions – contact your local representative or ROCK-TRED directly for recommendations. Catalyzation errors due to incorrect mixing in the field voids product warranty.

LIMITATIONS

- Do not thin this product.
- Deeper repairs require multiple lifts at ¼" thickness or less.
- Do not apply to damp concrete.
- Product sets VERY RAPIDLY – only mix enough material as can be applied within 90 seconds!
- When re-coating or over coating always apply the next coat within 24 hours of completing the previous coat and sprinkle the surface with aggregate to promote adhesion of subsequent coats. If not sprinkling sand the cured ROCK-MENDER should be quickly sanded or diamond ground prior to over coating. Coating over with water-borne products is not recommended.
- When applying this product in low temperature environments it is best to "condition" the liquids and aggregate at the application temperature for some time prior to application.

HANDLING & SAFETY

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin; wear protective gloves and safety glasses. User must read and understand Safety Data Sheet before using. ROCK-TRED Safety Data Sheets are available at www.rocktred.com

STANDARD WARRANTY STATEMENT

Rock-Mender PDS 6.24.24

ICP Construction, Inc. ("we" "us" or "our"), manufacturer of Rock-Tred Polymer Coating Solutions, warrants that the product is produced within specifications and is free from defects in material only. No warranty shall be in effect until our Terms and Conditions of Sales (<https://www.icpgroup.com/wp-content/uploads/ICP-Group-Terms-and-Conditions-of-Sale.pdf>) are met, including payment and cooperative promotional considerations. We warrant that the covered product is free of defects in material only and suitable for the specified purpose for a period of one (1) year from the date of shipment, provided the product is (a) installed within its published shelf life, in strict conformance with specifications, and (b) handled, stored, mixed, and applied in accordance with our written instructions. It is your responsibility to initiate any claim against this warranty within the time frame specified below. If we determine that the product meets the requirements of this warranty, then we will, at our sole discretion, either refund the purchase price of the product or provide replacement product, in each case not to exceed the affected area as determined by our authorized technical representative. To obtain replacement or refund you must (a) provide timely written notice to us specifying in detail the non-conformity suspected (no later than five (5) working days after discovery), and (b) provide proof of purchase. We reserve the right to inspect the product prior to replacement. EXCEPT FOR THE EXPRESS WARRANTY ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. IN NO EVENT SHALL WE OR OUR AFFILIATES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY NATURE, REGARDLESS OF THE FORM OF ACTION OR THEORY OF LAW, INCLUDING, WITHOUT LIMITATION, BREACH OF ANY OBLIGATION OR WARRANTY IMPOSED ON US HEREUNDER OR IN CONNECTION HERewith, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES IN ADVANCE AND EVEN IF A REMEDY SET FORTH HEREIN IS FOUND TO HAVE FAILED OF ITS ESSENTIAL PURPOSE. "CONSEQUENTIAL DAMAGES" SHALL INCLUDE, WITHOUT LIMITATION, LOSS OF USE, INCOME, OR PROFIT, OR LOSSES SUSTAINED AS THE RESULT OF INJURY TO ANY PERSON, OR LOSS OF OR DAMAGE TO ANY PROPERTY (INCLUDING, WITHOUT LIMITATION, PROPERTY HANDLED OR PROCESSED THROUGH THE USE OF THE PRODUCTS), DAMAGES OR LOSSES RESULTING FROM CLAIMS OF OTHER PERSONS AGAINST YOU, OR DAMAGES OR LOSSES SUSTAINED AS THE RESULT OF WORK STOPPAGE, OR REMOVAL AND REPLACEMENT COSTS AND COSTS OF LABOR. IN NO EVENT SHALL OUR LIABILITY ARISING IN CONNECTION WITH OR UNDER THIS WARRANTY (REGARDLESS OF THE FORM OF ACTION OR THEORY OF LAW) EXCEED THE AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT ONLY. THIS LIMITED WARRANTY PROVIDES YOUR EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT. If you do not agree with these terms, you may return the product within thirty (30) days of purchase for a full refund, provided the product is not opened, altered, or adulterated in any manner, less any shipping and handling charges of any sort. Use of the product, or retention of the product beyond thirty (30) days, constitutes your acceptance of this limited and exclusive warranty. No customer, distributor, or representative of ours is authorized to change or modify the published data sheets or this warranty in any way. No one is authorized to make oral warranties on behalf of us.

