



TECHNICAL DATA SHEET

FIBER-LOCK

TEXTURED BASE COAT

DESCRIPTION

Powered by advanced Fiber Reinforced Elastomeric Hybrid Technology, this high-viscosity, sprayable sealant provides unmatched leakproof protection. Reinforced with durable fibers, it delivers exceptional tensile strength and eliminates the need for seam tape, ensuring a seamless, long-lasting bond. Designed to strengthen and seal seams, curbs, penetrations, and fasteners, it adheres effortlessly to a wide range of substrates. This next-generation formula offers outstanding weatherproofing and waterproofing capabilities, standing up to even the toughest conditions. With its cutting-edge design, the Raptor Roofing System cures rapidly and provides superior resistance to ponding water and dirt buildup—outperforming conventional acrylic & fluid-applied roofing solutions.

USES, FEATURES & BENEFITS

- ◆ Water Based- Easy Water Clean-Up
- ◆ Resistant to Ponding Water
- ◆ UV Resistant
- ◆ Resistant to Cracking
- ◆ Creates a Water Barrier
- ◆ Low VOC/Environmentally Friendly
- ◆ Flexible at Low Temperatures
- ◆ Primes and Seals
- ◆ Low Slope & Flat Roofs
- ◆ Composition Roofs
- ◆ Shower Pans
- ◆ Planter Boxes
- ◆ Retaining Walls
- ◆ Metal Roof
- ◆ Between Slab Membrane

TECHNICAL & PHYSICAL PROPERTIES

- **TECHNICAL DATA:**
 - Type:
 - Acrylic Resin
 - Diluent:
 - Water
 - Dry to touch:
 - 60 minutes
 - Viscosity:
 - 115-120 ku's @ 77°F
 - Flash Point:
 - N/A
 - Re-Coat:
 - 2-4 hours
 - Solids:
 - 55-60% weight
 - 45-50% volume
 - V.O.C.:
 - <50 grams per liter
 - Cure Time:
 - 3-5 days
 - Elongation:
 - Passes flexibility test astm d522b
 - Perms:
 - 1.9 astm d96



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DIRECTIONS:

1. Preparation:
 1. The roof surface must be clean and free of all loose or oxidized material, dirt, oil, and grease.
 2. Use a stiff bristle brush broom, power blower or carefully power wash the surface. Note: Do not power wash if roof has any water leaks or penetrations.
 3. Caulk all large cracks with an elastomeric caulk and seam tape where necessary.
2. Fiber-Lock:
 1. The Raptor Fiber-Lock is designed to be used in conjunction with the Raptor Flex-Shield top coat, (eliminating the need for seam tape).
 2. Each application should be done in one complete step.
 3. Apply with roller, brush, or by airless spray equipment (recommended).
 4. Do not thin.
3. Apply Raptor Fiber-Lock
 1. Mix thoroughly using a power mixer prior to use!
 2. All seams, cracks and small pinholes need to be addressed before the rest of the roof is to covered.
 1. Apply with roller, brush, or by airless spray equipment thoroughly covering the seam, crack or pinhole, approximately 1/16" thick and 2" wide. Allow to completely dry before moving on to next step.
 3. Apply Raptor Fiber-Lock, coating the surface at a rate of 2 gallons per 100 sq. ft.
 4. Additional coats may be required to achieve warranty requirements.
 1. 10 Year - 2.0 gallons per 100-sq./ft.
 2. 15 Year - 2.5 gallons per 100-sq./ft.
 3. 20 Year - 3.0 gallons per 100-sq./ft.
 5. Once Raptor Fiber-Lock is completed. Finish project with Raptor Flex-Shield top coat. See Tech Data Sheet for Raptor Flex-Shield top coat application process.
4. Metal:
 1. Prepare the metal roof by removing all loose material. Clean and etch.
 2. Spot prime all rusted surfaces with a rust converter.
 3. Apply 2 coats of Raptor Fiber-Lock at 1 gallon per 100 sq. Ft.
 4. Follow
5. Mobile Home & Metal Roofs:
 1. Clean.
6. Flat Tar Roofs & Roof Decks:
 1. Apply first coat at the rate of 2 [two] gallon per 100 sq. ft.. Apply second coat at the rate of 2 [two] gallons per 100 sq. ft.
7. Urethane Foam:
 1. Remove all old delaminating coating and blow clean.
 2. Large holes, cracks or separations.
 1. Fill with expanding foam and allow to dry, Cut down to the surface level.
 3. Do not open the roof system.
 4. Sump areas with Raptor Fiber-Lock until surface is smooth.
 5. Coat with 2-3 coats of Raptor Fiber-Lock until smooth.
 6. Apply multiple coats of Fiber-Lock resulting in a minimum coverage of 2 [two] gallons per 100 sq. ft. Do not apply over wet or deteriorated foam.
8. Aluminum:
 1. Clean all aluminum surfaces with an environmentally safe cleaner before applying. Test application may be required to assure proper adhesion.
9. Silicone Roofs:
 1. Raptor Fiber-Lock will not adhere to silicone and is NOT a recommended solution.
10. Coverage:
 1. Waterproofing warranties require a minimum Fiber-Lock thickness over a properly patched surface. This mil thickness can be achieved by applying two gallons per 100 square feet. Badly weathered roofs may require additional coats of Fiber-Lock to provide a uniform surface for the top coat.



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LIMITATIONS

1. Important Weather Guidelines:
 1. Do not apply under foggy weather conditions.
 2. Do not apply when rain is forecast within 24 hours.
 3. Do not apply when temperatures are expected to drop below 50°F within 24 hours
2. Mildew:
 1. DO NOT PAINT OVER MILDEW. Mildew is a fungus, brown, black, grey or even white in color, and will rapidly grow through any coating applied over it. A solution of 50% household bleach and 50% water will kill the mildew.
3. Thinning:
 1. DO NOT THIN.
4. Drying Time:
 1. Initial cure to touch 1 hour. Re-coat 2-4 hours. Cool or humid weather conditions will slow the drying time.
5. Clean up:
 1. Clean tools and hands with warm, soapy water and rinse thoroughly.
6. Maintenance:
 1. Clean up spilled and un-dried product immediately with water. Clean hands and skin with warm water and soap. Most stains will clean-up with TSP, a brush, and water. We recommend a re-coat every 5 years, depending on exposure to the sun.
7. Repair:
 1. Repairs may be done by removing the damaged area and replacing the material as written in this information guide.

DISCLAIMER: All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones that may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether verbal or in writing, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Raptor Roofing Systems makes no claim that these tests or any other tests, accurately represent all environments.

Warranty: When the warranted product is applied in accordance with this technical data sheet, label instructions and common sense widely accepted painting practice and procedures, Raptor Roofing Systems will warrant said product against manufacturing defects that might cause premature failure such as blistering, peeling, or unusual wear. Directions are as complete as possible but cannot encompass all conditions, applications, and/or surfaces beyond manufacturer's control. In the event of a warranted failure and upon the presentation of proof of purchase, the remedy will be the provision price for said product. This warranty does not include labor or the costs associated with labor. This warranty may not be transferred or assigned and extends specific legal rights which may vary from state-to-state. No other warranty is expressed or implied.