



MOISTURE SEAL EPOXY

TECHNICAL DATA SHEET

Stone Coat Moisture Seal Epoxy Primer is an extremely easy to use, two-component, 100% solids, low viscosity, moisture sealing epoxy primer. It can reduce the hydrostatic pressure omitted by the floor from 12 lbs per 1,000 square feet to less than 1 lb. Our revolutionary vapor blocker protects and restores, creating a long-lasting bond that withstands years of use. Perfect for Garage Epoxy Flake Floors and Metallic Marble Epoxy Floors, this primer penetrates deep into the concrete. Stone Coat Moisture Seal Epoxy is an excellent all-around concrete primer/sealer with incredible adhesion.

PRODUCT FEATURES:

- 100% Solids
- Low Viscosity
- Superior Adhesion
- Meets USDA Criteria
- High Build
- Moisture Tolerant
- Same Day Overcoat

SIZES AVAILABLE:

- 1.5 Gallon kit
- 3 Gallon kit
- Colors: Black, Tan and Gray

Recommended Working Conditions	55F-90F
Recommended Humidity Range	30% - 65%
Coverage (FLAKE)	1oz per sq/ft (12.5 mil)
Coverage (METALLIC)	1oz per sq/ft (12.5 mil)
Working Time	30 minutes
Scrape Time (FLAKE FLOORS)	6-7 hours
Recoat Time (METALLIC FLOORS)	24 hours
Walk-On Time	24 hours
Full Cure	3-7 days*
VOC (g/L)	0 g/L
VOC (Low/High)	Low-VOC
Mix Ratio By Volume	2A:1B
Mixed Viscosity	1,150 cps
Moisture Resistance	Class 1 Moisture Vapor Barrier, <0.1 perms
Hardness, Shore D	80D
Tensile Strength	N/A
Elongation	N/A
Elastic Mod	N/A
Flexural Strength	N/A
Resin Color/Clarity	Gray/Black/Tan



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BEFORE USE: Thoroughly read Safety Data Sheets, product labels and the “SAFETY” section in this Technical Data Sheet.

BEFORE YOU BEGIN

Work Environment: The ideal working temperature is around 55-90°F in a clean, dry, dust-free environment. Working in high humidity will shorten the working time slightly. Keep the temperature above 60 degrees for the first 48 hours of curing.

Coverage: Coverage of the 1.5-gallon kit of Flooring Epoxy Moisture Seal is 192-256 sq ft. Recommended coating application is .75-1oz per sq/ft.

Materials: Be prepared with all necessary materials and tools before beginning your project. These items might include (but are not limited to) two-part Moisture Seal Pro (Parts A and B), mixing containers, clean stir sticks, mixing drill, gloves, torch or heat gun, drop cloth, Isopropyl alcohol, spiked shoes, rollers, magic trowel squeegees, etc.

MIXING & POURING

NOTE: Make sure you have prepped your surface after filling in cracks with Floor Patch Pro. Over concrete, the surface should be grinded down and cleaned with a 4-7” angle grinder with a diamond bit or walk behind floor grinder. The surface you are coating over should be as dry and clean as possible. Sweep and vacuum the surface before applying.

Step 1: Prepare 2-part Resin (Part A) and 1 part Hardener (Part B) by liquid volume. Pour in both part A and B into a clean, mixing bucket large enough to hold all of the liquid, allowing room for mixing without spillage. Use graduated mixing containers help to ensure properly measured amounts of Part A and B. For larger projects mix in 5-gallon buckets. Any variance in this mix ratio may result in curing issues.

Step 2: The material must be mixed thoroughly for at least 3-5 minutes. Be sure to scrape the sides, corners and bottom of container midway through mixing. Use a drill with a paddle mixer for 2 minutes and scrape sides and bottom with a paint stick until thoroughly mixed.

Step 3: Cut the edges with a brush or small roller and pour out a ribbon of material in the back half of your area. Using a squeegee, push the material lightly to the wall and pull back tight towards the center. Do this around the perimeter until all edges are primed. Once edges of surface are primed, use a 1/4” to 3/8” microfiber roller to roll and back roll the entire surface. It is important to roll the material until you have an even coating with no uncovered areas.

Note: Apply 1 fl oz per sq ft. Applying too thick can result in excessive bubbles. This system is professional grade and can be walked on and scraped in approximately 6-7 hours depending on ambient temperatures.



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Step 4 with Flake: If you are applying a flake floor, broadcast the flake once the surface has been coated with Moisture Sea. Depending on desired coverage (light, medium or heavy), toss the flake up in the air until the entire surface is covered with the desired amount of flake. When doing large surface areas, you may need to begin flaking before the entire surface is covered. Be sure to flake the surface well before the work time expires to ensure the epoxy receives and adheres to the flakes. Then allow the Moisture Seal to cure.

Step 4 with Metallic: For metallic epoxy floors, allow Moisture Seal to cure until it is safe to walk on with spike shoes. This typically takes 8-18 hours depending on ambient temperature and conditions.

Note: Applying Mid Coat Flooring Epoxy requires spiked shoes. If you walk on the Moisture Seal too early, you will leave indents in the floor or potentially even scratch or scrape the floor if you were to drag your feet which will cause adhesion and noticeable dimples/witness marks in your metallic coating.

CLEAN UP & DISPOSAL

Tools can be cleaned with isopropyl Alcohol or a residue-free cleaner. Do not use soap and water.

Dispose of product and container according to Federal, State, and local regulations. Store any remaining product in the original bottles, tightly sealed and locked up in a cool, dry environment.

SAFETY

Safety: Before use, thoroughly read Safety Data Sheets and product labels. Follow safety precautions, directions, and wear appropriate personal protective equipment for your use and application.

Note: Mixed epoxy generates heat. The larger the mass, the more exotherm/heat will be created. Recommend pouring shortly after mixing to avoid heat build and shortening of work time. Only mix what is needed for your project. Please see FAQs for more helpful information prior to beginning your project.

DISCLAIMER: The information contained herein is considered accurate; however, Stone Coat makes no warranty regarding its accuracy. The user must determine the suitability of the product for the intended use and accept all risk and liability associated with that use.