



Vapor Block Epoxy Primer

A two part, 100% solids, low viscosity, moisture accepting epoxy primer

DESCRIPTION

Vapor Block is a two component, 100% solids, low viscosity, moisture accepting epoxy primer. It can reduce the hydrostatic pressure emitted by the floor from 12 lbs. per 1000 square feet to less than 1 lb. It can even cure underwater without affecting its adhesion. When applied at 73°F / 50% humidity, Vapor Block cures between 5 to 7 hours. Vapor Block can be used to prime concrete, metal, and wood. It is an excellent all-around concrete primer with incredible adhesion. Vapor Block may be applied at a heavier rate to achieve a higher build system or to accommodate the broadcasting of aggregates. Available in clear or gray. Interior use only. **Professional use only. New concrete must cure for 28 days before applying.**

COVERAGE:

200 sq. ft. depending on application method and surface conditions.

PACKAGING:

- 1 Kit includes:
 - 1 Gallon Part A (Resin)
 - 1/2 Gallon Part B (Hardener)

STORAGE:

1. Store in a cool, dry area.
2. Store out of direct sunlight.
3. Protect pails and jugs from freezing weather and other damage.
4. Store at a temperature between 50°F and 95°F.

SHELF LIFE:

1 year (unopened)

COLOR:

Gray or Clear

ADVANTAGES

Easy to apply and VOC compliant (VOC=0g/l)
100% Solids
High build
Moisture tolerant
Excellent adhesion and durability
Low Viscosity
Pot life is approx. 30 minutes (8 oz. (250g) at 77°F

LIMITATIONS

Do not apply at any temperature below 50°F or above 95°F
Must be installed on a clean and dry surface
For interior use only
Concrete must be cured for a minimum of 14 days and have vapor emissions less than 15 lbs/1000 ft ² /24hr.
Do not let mixed product sit in bucket for prolonged period of time or it will become very hot and unusable

TYPICAL USAGE

- Concrete
- Metal
- Wood
- Interior only
- Industrial and Residential

COVERAGE (cont.)

Coverage varies on the level of moisture vapor emissions discovered on the job. Typical application should cover 200 ft²/gal (8 mils). If an excessive amount of Vapor Pressure is present (> 8 lbs/1000 ft²/24hr), Vapor Block Epoxy Primer should be applied in multiple coats to achieve a minimum of 16 mils (2 coats at 200 ft²/gal). With the right surface preparation, this extra protection should provide protection up to 15lbs.

Visit our Website:
www.ClassicCoatingsSystems.com

See our Youtube channel for How-to Videos and our Instagram for inspiration!



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SURFACE PREPARATION

- ✓ **READ SDS BEFORE HANDLING & APPLICATION**
- ✓ Highly recommended to test a small inconspicuous area first.
- ✓ **TURN OFF SPRINKLERS FOR TWO DAYS PRIOR TO AND AFTER.**
- ✓ Always protect neighboring surfaces including wood, carpet, metal, landscaping and other non-masonry surfaces.
- ✓ Caution: Surface is slippery when wet.
- ✓ Before you start, wear rubber gloves & safety glasses.
- ✓ New concrete must cure for 28 days before application.

Concrete must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. The concrete should be porous and be able to absorb water. Relative humidity in the concrete floor slab should be below 80%. Before starting flooring work, test existing concrete slab to make sure there is no efflorescence or high levels of alkalinity. Alkalinity refers to a high pH reading which means the floor is not neutral. A high alkaline environment can cause salts to creep up through the cement called efflorescence. These salts have a tendency to prevent or destroy the bonding of coatings to the concrete. The most common form of testing is the use of a wide-range pH paper or tape. Make sure the floors pH reading ranges between 5-9 to ensure adhesion. The testing of concrete for alkalinity can show the amount of alkalinity only at the time the test is ran and cannot be used to predict long-term conditions. Calcium chloride tests should be conducted to determine if the concrete is sufficiently dry for an epoxy flooring installation. When running a calcium chloride test, it is important to remove any grease, oil, curing agents, etc. so accurate readings can be obtained. Failing to adhere to these strict guidelines can result in product delamination, discoloration, blistering, or all together failure of the coating system. The concrete should be at least 2500 psi and have an ICR1 concrete surface profile within 3-5. After initial preparation has occurred, inspect the concrete for imperfections and treat as necessary. Allow concrete to breathe for a minimum of 24 hours after preparation. Any high spots need to be ground smooth. All expansion joints should be honored. Cracks should be chased with a diamond crack chaser (approximately 1/4" x 1/4"), swept or blown clean.

HOW TO MIX

Mix 1 gallon of part A (resin) with 1/2 gallon of part B (hardener) for 3 to 4 minutes with a slow speed drill mixer.

Vapor Block Epoxy Primer may be thinned with up to 16oz of Acetone to aid in penetration. Thinned material should be applied at less than 6 mils (and not puddle) to cure properly. Vapor Block Epoxy Primer will have approximately 30 minutes of working time.

APPLICATION

As a primer: Immediately after mixing, spread a strip of the batch onto the surface along the edges where it will be cut in using a brush. Pour the remaining material near the cut in area and spread evenly using a trowel or squeegee and back roll using a 3/8" nap non-shedding roller.

Vapor Block Epoxy Primer can be applied as an intermediate coat for extra protection from moisture vapor emissions: Mix and apply without solvent at the desired thickness using a notched trowel or squeegee and backroll using a 3/8" nap non-shedding roller.

DRYING TIME

You may re-coat as soon as the surface is completely dry to touch or in about 8 hours (but not later than 24 hours). If recoat time has been exceeded, lightly sand the surface and wipe clean with acetone before next application. Light foot traffic may be permitted in 24 hours, light vehicle traffic in 72 hours, and heavy traffic in 7 days. All times are based on average temperature of 70 degrees and 50% humidity. Cooler temperatures will increase drying time.

For technical support, please call: (951) 279-2600

HANDLING PRECAUTIONS:

Use only with adequate ventilation. An appropriate cartridge type respirator must be used during application in confined areas. Avoid contact with skin. Protective gloves, eyewear and clothing are recommended.

PROP 65 WARNING:

Classic Coatings Systems, as a blender of processed material in the State of California, is required by Proposition 65 to warn that one or more of the components contained in the product contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. The State of California (Proposition 65) requires this warning in the absence of definitive testing to prove that the defined risks do not exist. We believe this product complies with all other applicable state and federal laws and regulations governing manufacturing, distribution and intended use. User is solely responsible for the legal disposal of this container and/or its contents.

WARRANTY:

Classic Coatings Systems products are warranted for one year after date of purchase. Please refer to the Limited Material warranty for additional clarification. NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY. We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE

OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET & FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.

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www.ClassicCoatingsSystems.com