



# VCP-1000

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## 1. PRODUCT INFORMATION

**Description:** VCP-1000 is a high performance, three-component, high solids, VOC compliant (62g per liter or less), specially manufactured hybrid resin design to perform under extreme levels of moisture and alkalinity. It is warranted to reduce moisture to below 2.5 Lbs/ 1,000 sf / 24 hours and to reduce pH levels to 8. VCP-1000 has no unpleasant or flammable fumes and is environmentally friendly. The properties of this unique material will not support an environment favorable to mold, mildew and micro-organism growth. VaporGauge, Inc. provides an industry leading, exclusive, manufacturer warranty for a period 15 Years with unlimited Concrete Moisture (30 Lbs. / 100% Relative Humidity) and Alkalinity (14 pH) control. VaporGauge, Inc. carries general liability insurance of \$5,000,000 per occurrence limit with an A-Rated provider.

**Uses:** VCP-1000 is formulated to control concrete moisture and alkalinity on existing or new concrete slabs scheduled to receive a finished flooring system.

**Compatibility:** VCP-1000 is compatible with the following floor covering materials: Carpet, Carpet Tiles, Ceramic Tiles, Linoleum, Sheet Vinyl, Vinyl Tiles, VCT, Rubber, Resinous, Sports, Wood and any other adhesive or mortar based flooring installation. A non-porous primer and cement based topping is recommend for improved adhesion on all adhesive based flooring application. A bond test is always recommended prior to any flooring installation.

**Color:** Gray. Other colors maybe produced at customer's request. Minimum quantities will apply. Please contact us for special color information.

**Acceptable Substrates:** On-grade, below-grade, above-grade and light-weight concrete slabs. VCP-1000 can be safely installed over cement-based Terrazzo. Verify that Terrazzo is well bonded to concrete substrate. VCP-1000 can be installed over new concrete after seven days or when concrete can accept shot-blasting without pitting.

## 2. APPLICATOR

Applications are performed by manufacturer approved contractors.

## 3. PERFORMANCE

ASTM E-96 Water Vapor Transmission: 95% Vapor Reduction  
ASTM D-4541 Adhesion Strength: 585 PSI (Failure in Concrete)  
ASTM D-1308 Alkali / Acid Resistance: No Effect (pH = 14)  
ASTM F-1869 Calcium Chloride Test: <2.5 Lbs / 1,000 sf / 24 hours

## 4. CONDITIONS / TESTING

The building environment should be representative to that of the operating

building. It is recommended that the building environment and all temperature and humidity controls must be in working and operating conditions for a minimum of 48 hours. Preferred installation conditions are to be between 55F and 85F and up to 60% humidity. VaporGauge, Inc. recognizes the following ASTM testing standards to determine concrete moisture & alkalinity: ASTM F1869-04, ASTM F710-05 & ASTM F2170-02.

## 5. INSTALLATION

**Flooring Preparation:** The substrate to receive VCP-1000 must be sound, clean, absorptive, and meet acceptable industry standards. Any kind of surface contaminant such as adhesives, mud, coatings, curing compounds, dust, leveling materials, patching materials, grease, oils, etc., have to be completely removed by shot blasting with ICRI CSP 3 - 4 finish. Grinding near walls and areas inaccessible to Shot-blaster is acceptable. Thoroughly clean out all cracks, joints and divots to remove any patching and caulking materials.

**VCP-1000 Application:** Stir individual components separately before mixing together for 3 minutes. Mix VCP-1000 using a mixer and a Jiffy mixing paddle, mix Part A and Part B together thoroughly for 3 minutes. Allow material to remain undisturbed for fifteen minutes. Add water and continue to mix for an additional 3 minutes. Pour VCP-1000 on floor in a line on the floor and spread with squeegee making sure that all cracks, joints and divots are completely coated. Back-roll using a 3/8-inch nap roller.

**Recommended Coverage:** Apply VCP-1000 at 200 sf per gallon.

**Primer:** Apply a primer that is specially formulated for non-porous surfaces. Follow manufacturer's recommended instructions for application.

**Control Joints/Cracks/Expansion Joints:** Since VCP-1000 is a semi-rigid material, there are no special application requirements to prepare minor cracks and joints. It is recommended that a cementitious patching material be applied to minor cracks, joints and divots. Joints or cracks thicker than a 1/4" may require the use of two-component poly-urethane caulking compound, with backer-rod.

**Cementitious Top Coat:** Cement top coat is to be applied as recommended by manufacturer in areas to receive resilient floor coverings. Use only a factory-approved, portland-based, cement patching compound. The use of gypsum-based materials is not acceptable. Additional set times for adhesives maybe required.

## 6. DISTRIBUTION

VCP-1000 is distributed through authorized dealers nationwide. Contact VaporGauge, Inc. at 877.777.6360 to locate the nearest dealer.

**WARRANTY:** VaporGauge, Inc. warrants against any flooring failures due to concrete moisture and/or alkalinity for a period of Fifteen (15) Years from the date of final installation. VaporGauge, Inc. guarantees all materials to be free of manufacturing defects. The warranty for floor covering or coating failure caused by concrete moisture vapor emission and alkalinity. The warranty includes the costs to replace the concrete moisture and/or alkalinity control system, floor covering or coating materials, preparation and installation materials, and all other ensuing labor charges related to flooring failure due to concrete moisture and/or alkalinity. Please review warranty certificate for further information on warranty coverage and exclusions.