



**Manufacturers of
Professional Grade Cement &
Construction Products Since 1967**

8/01-1

PERMA VOC CONCRETE SEALER

VOC COMPLIANT, UV RESISTANT, EMULSION BASED

DESCRIPTION:

PERMA VOC CONCRETE SEALER is an emulsion of a vinyl toluene acrylate designed to provide solvent based performance from a water emulsion system. **PERMA VOC CONCRETE SEALER** forms a moisture impermeable film that keeps moisture in the concrete. This allows the concrete to achieve complete hydration and to produce a high quality concrete.

USES AND APPLICATIONS:

- On new concrete as a curing compound
- On new or old concrete as a dustproof
- To protect concrete floors and walls against alkalis, grease, fungus, salt and spalling

ADVANTAGES:

1. Complies with VOC regulations
2. Contains less than 5% solvent
3. Surface remains clear
4. Cures, seals and hardens in one application
5. May be applied to any interior or exterior, vertical or horizontal surface
6. Requires no etching of the substrate
7. Eliminates the need for wet straw, wet burlap or water curing
8. Improves adhesion for floor coverings or paints
9. Prevents efflorescence and retards dusting, pitting and crumbling
10. Increased abrasion resistance
11. Very low vapor transmission rate
12. Ultraviolet light resistance
13. Compatible with most paints and adhesives
14. No priming or mixing required

SPECIFICATIONS:

PERMA VOC CONCRETE SEALER meets or exceeds the requirements of ASTM C 309-92, Type 1, Class b and AASHTO M-148.

PERMA VOC CONCRTE SEALER is also compliant with VOC regulations ASTM D 3960-91 at 220 gr/liter.

COVERAGE RATE:

PERMA VOC CONCRETE SEALER will cover from 200-300 sq.ft/gal. Depending on the porosity of the substrate. A second coat at 400-500 sq.ft/gal. is recommended.

SURFACE PREPERATION:

AS A CURING COMPOUND: Apply as soon as possible after the concrete has received its final finish, just as the water sheen disappears. If application is delayed the concrete **MUST** be kept damp until PERMA VOC CONCRETE SEALER is applied.

AS A DUSTPROOFER: Aged concrete must be clean, dry and free of all contaminates. Remove all dirt, grease and oil by scrubbing with an industrial cleaner or TSP. After scrubbing, flush thoroughly with clean water and allow to dry completely before coating.

APPLICATION:

PERMA VOC CONCRETE SEALER should be applied at an ambient temperature of 40° F (4° C) and rising at the time of applications. Agitate the product prior to application. Apply by low-pressure sprayer with neoprene fitting, if not available use a brush or roller. The sprayer **MUST** be clean, dry and free of solvents. Clean sprayer between applications for best results. A uniform film should be achieved for best results. For a high surface gloss, re-coat in 24 hours.

CURING:

PERMA VOC CONCRETE SEALER must have 24 hours of drying time before accepting light foot traffic. Heavy-duty traffic can be accepted after 48 hours. Maximum hardness is achieved after 7 days at ambient temperatures.

SPECIAL NOTES:

- Minimum ambient and surface temperatures must be 40° F (4° C) and rising at the time of application
- Do not use on white or pigmented concrete.
- PERMA CONCRETE SEALER must be removed prior to cement or epoxy based overlays
- Do not dilute. This will result in reduced performance
- Tools may be cleaned with Mineral Spirits or turpentine

PACKAGING:

PERMA VOC CONCRETE SEALER is available in 1, 5 and 55 gallon containers.

PRECAUTIONS:

- Keep product from freezing
 - Do not use product below 40° F (4° C)
 - Protect application areas from rain for 72 hours
 - Do not wash floor for 30 days
 - Not gasoline resistant
 - Apply only in adequately ventilated areas
 - Contains petroleum distillate and hydrocarbon solvent
 - Topcoat and adhesives should be tested for compatibility before proceeding with top coat or finish flooring
 - product will darken surface with application and aging
 - If over come by inhalation, remove to fresh air. If not breathing, give artificial respiration (mouth to mouth). Give oxygen. Consult a physician immediately.
 - Do not take internally. If swallowed, do not induce vomiting. Consult a physician immediately.
 - The use of a NIOSH/MSA approved respirator, safety goggles and rubber gloves is recommended.
 - In case of eye contact, flush immediately with water for 15 minutes and consult a physician.
 - Dispose of waste materials in accordance with Federal, State and local regulations.
 - Product contains Caustic Liquid.
 - In case of eye contact, flush with water. Wash skin with soap and water if contact occurs. Consult a Physician
 - Use only with adequate ventilation
 - Consult MSDS for additional information
 - Emergency number: 1-800-523-6570
- KEEP OUT OF REACH OF CHILDREN**

CHEMICAL RESISTANCE:

Alkali Resistance	Excellent
Mild acid resistance	Excellent
Soap resistance	Excellent
Mineral oil resistance	Excellent
Grease resistance	Excellent
Water resistance	Excellent
Vegetable oil resistance	Excellent
Aromatic Hydrocarbon resistance	Excellent
Ketones resistance	Excellent
Effect by sunlight	Relative non yellowing
Dilution	Do not dilute

TECHNICAL DATA:

Color	Milky White
Flash Point:	> 200° F (93° C)
Drying Time:	40 minutes/Tack Free 24 hours/Full Hardness
Wt/Gal.:	8.22 ± .05 lbs/gal.
Viscosity #4 Ford Cup:	13-18 seconds
Water Retention g/cm ²	.046
Solvent:	Mineral Spirits/Aromatic

STORAGE CONDITIONS:

Store between 60° F (15° C) and 85° F 30° C). Do not freeze.

SHELF LIFE:

When stored in original, un-opened container, one year. Rotate your stock.

GENERAL INFORMATION:

Please contact CGM, Inc. at any of the following numbers for customer service or technical assistance:

Voice:	215-638-4400
Toll Free:	800-523-6570
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Inside Sales:	ckauffman@cgmcement.com
On the web @:	www.cgmbuildingproducts.com

WARRANTY:

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