



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

8/01-1

PERMA 5% VOC SILICONE WATER REPELLENT

DESCRIPTION:

PERMA 5% VOC SILICONE WATER REPELLENT is a clear, silicone based waterproofer used for invisible protection on virtually all types of above grade concrete, brick, stone and masonry. PERMA 5% VOC SILICONE WATER REPELLENT produces a hydrophobic barrier that is a 5% solids formulation. Water is used as its carrier.

ADVANTAGES:

- Excellent penetration of new or old concrete surfaces
- Does not discolor the substrate
- Low viscosity for maximum penetration of substrates
- Excellent resistance to ultraviolet light, salt intrusion and is alkali resistant
- Reduces efflorescence
- Provides an economical protection for brick, block and similar masonry surfaces
- PERMA VOC SILICONE WATER REPELLENT is VOC Compliant

USES & APPLICATIONS:

PERMA 5% VOC SILICONE WATER REPELLENT may be used on vertical and horizontal above grade surfaces that must be protected from water and salt intrusion. Typical applications are as follows:

- Waterproofing masonry surfaces such as concrete, stucco, block, brick and stone
- Bridge and Parking decks
- Land barriers and toll islands
- All new or old concrete

SPECIAL NOTES:

1. PERMA 5% VOC SILICONE WATER REPELLENT is not intended for waterproofing under hydrostatic pressure
2. Do not apply to limestone, marble, granite or damp surfaces
3. Will not seal cracks from moisture penetration
4. Is not recommended for below grade waterproofing
5. An industrial detergent is recommended for removal of most contaminants
6. Apply to a clean, sound and properly prepare substrate

7. Minimum air and surface temperature at the time of application are 40° F (5° C) and this temperature must be maintained for the next 12 hours.

SURFACE PREPARATION:

Existing Concrete: All spalling, loose, fragmented or unsound concrete should be removed by use of chipping hammers, small scarifiers or other mechanical means. Heavy deposits of oils or grease may be removed by abrasive blasting or scrubbing. Flush thoroughly with clean water and then allow to dry completely before proceeding with the application. All patching and sealant work must be done prior to application.

New Concrete: All newly placed concrete must be cured for 28 days. If membrane curing compounds have been used, they must be completely removed by paint strippers, abrasive blasting or scarification. Priming is required in any application.

*For preparation of other types of substrates, contact CGM, Inc.

MIXING:

Product is supplied ready to use with no mixing required prior to application.

APPLICATION:

PERMA 5% VOC SILICONE WATER REPELLENT may be applied by roller, squeegee or sprayer. For best results, the substrate should be thoroughly cleaned and dry prior to application of PERMA 5% VOC SILICONE WATER REPELLENT. Application to a damp surface will greatly reduce the penetration of this type of material. For vertical surfaces, apply from the top down. Apply sufficient material to obtain an 8 to 10 inch (20 to 26 cm) run down from the point of application. On horizontal surfaces, flood the substrate with products. Using a roller or a squeegee, evenly distribute the material over the substrate and avoid puddling. Two coats are recommended for most substrates with a wet on wet application being preferred.

WORKING TIME:

PERMA 5% VOC SILICONE WATER REPELLENT has an unlimited working time but is moisture sensitive and you should avoid excessive opening and closing of the container.

DRYING TIME:

PERMA 5% VOC SILICONE WATER REPELLENT should be protected from rain or traffic for 6 hours after application to allow drying time.

COLOR:

PERMA 5% VOC SILICONE WATER REPELLENT is available in clear only.

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

PACKAGING:

PERMA 5% SILICONE WATER REPELLENT is supplied in 1, 5 and 55-gallon containers.

SIZE	STOCK NO.	UNITS PER CARTON	WT. PER CARTON
1qt. Bottle	30WP	6	48lbs.
5 gal. Pail	35WP	1	38lbs.
55 gal. Drum	355WP	1	410 lbs.

COVERAGE:

PERMA 5% SILICONE WATER REPELLENT will cover approximately 500 to 750 sq.ft. (46 to 70 sq.m.) per 5 gallon pail depending on the porosity of the substrate.

STORAGE CONDITIONS:

PERMA 5% SILICONE WATER REPELLENT should be stored between 40° to 85° F (16° to 29° C) in a dry area. Protect from excessive heat and do not freeze.

PRECAUTIONS:

1. Dispose of waste materials in accordance with Federal, State and local regulations
2. All exterior air intakes should be closed during application to prevent vapors from entering the building.
3. Cover aluminum, glass and doors during application
4. Clean up with mineral spirits
5. Use only with adequate ventilation
6. In case of contact, flush eyes with water. Wash skin with soap and water. Consult a physician

KEEP OUT OF REACH OF CHILDREN

TECHNICAL DATA:

Total Solids	5%
Drying Time at 77 F (25 C)	4-6 hrs.
Water Repellency (ASTM C67)	89.2% @ 21 days
Chloride Screening (NCHRP #244)	90% 21 days
Temperature Limitations	40° /95° F (5°/35° C)
Flash Point	104° F (40° C)
Penetration	
Dry substrate	1/8 – 1/4 “
Wet substrate	0
Scaling Resistance (ASTM C-672) @ 50 cycles	No Scaling

GENERAL INFORMATION:

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

Voice:	215-638-4400
Fax:	215-638-7949
Toll Free:	800-523-6570
E-mail:	
Sales /Technical:	ebrunner@cgmcement.com bruby@cgmcement.com
Technical:	fkinney@cgmcement.com
Inside Sales:	ckaufman@cgmcement.com
On the web @	www.cgmbuildingproducts.com

WARRANTY:

CGM INC. warrants this product to be free of manufacturing defects. The sole responsibility and maximum liability of CGM under this warranty shall be at CGM's option, either (1) to replace the defective product in the form the product was purchased but not in the form the product was installed or used, or (2) to refund the purchase price of the product. In no event shall CGM be liable to the purchaser or to any third party for any loss or damage, of any type, including but not limited to incidental and/or consequential damage, resulting from the purchase or use of this product. In the event of any claim under this warranty, written notice must be given by registered mail.

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