



VEXCON
CHEMICALS, INC.

Concrete solutions for architects, engineers and builders since 1974
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CERTI-VEX[®] SEAL COATING

CONCRETE & MASONRY CEMENTITIOUS WATERPROOF COATING

DESCRIPTION

Certi-Vex Seal Coating is a dry mix Portland cement based coating used to fill, seal, waterproof and protect concrete, brick, block as well as porous stone. Use on exterior or interior above or below grade applications Certi-Vex Seal Coating will resist both positive and negative hydrostatic pressure when applied in accordance to application instructions, while imparting a highly durable uniform attractive appearance.

BENEFITS

- Bonds quickly and permanently
- Helps protect interiors from dampness and moisture damage
- High durability and impact resistance
- Resistant to abrasion
- Resistant to standing water and hydrostatic pressure
- Cleans easily with soap and water
- Non-toxic, non-flammable
- Fills and levels minor imperfections
- Long lasting, will not shrink or peel

RECOMMENDED USE

- Waterproofing basement and retaining walls
- Foundations
- Interior or exterior
- Above or below grade

SUBSTRATES

- Cast-in-place and precast concrete
- Block, brick and porous stone

APPLICATION

- All surfaces to be coated must be clean and structurally sound and dry without active hydrostatic pressure leaks.
- Surfaces should be cleared of all foreign materials such as oil, grease, asphalt, atmospheric stains, dirt and powdery substances using one of Vexcon's **Concrete and Masonry Cleaners**. For more information go to vexcon.com.
- Cracks under 1/16", loose or spalled mortar joints, marks from forms or spalled areas should be patched using **Certi-Vex Patch FS** and allowed to cure for 2 hours before coating.
- If active water leaks or general seepage exists, they should be treated with **Certi-Vex Water Plug**, in accordance to application instructions, prior to application of Certi-Vex Seal Coating.
- Dampen substrate to receive **Certi-Vex Seal Coating** prior to application.
- Surface should be kept damp ahead of application at all times.

MIXING

- **Certi-Vex Seal Coating** may be mixed by SLU mixer or by using a jiffy type mixer on a low speed drill at 400-600 RPM.
- Mixing liquid per 50# bag – In a clean empty container, pre-blend water with **StarSeal[®] Envio Strong**.
50-77°F (10-25°C)
Water 5.5 qts. (176 fl/oz)
StarSeal Envio Strong 2 qts. (64 fl/oz)
- Add powder to the liquid while slowly blending in Certi-Vex Seal Coating.
- Mix to a smooth batter like slurry, ensuring a lump-free and evenly dispersed mix.
- Allow to stand for 5 minutes, then remix.
- Additional mixing liquid can be added at this time for higher temperatures (78-90°F / 25.5-32°C) to maintain workability.
- During application, remix as necessary to keep material from segregating.

PLACEMENT

- Apply **Certi-Vex Seal Coating** with a natural bristle masonry brush or trowel using irregular strokes and working the material into the cracks and voids.
- Finish the coat with smooth horizontal strokes.
- Allow to cure for 12-24 hours and apply the second coat.
- On block or brick walls, allow 5-7 days between coats to eliminate joints showing through.
- Finish second coat with smooth vertical strokes to facilitate easy cleaning.

CURING

- **Certi-Vex Seal Coating** is self-curing when StarSeal Envio Strong is used in the mixing liquid, under normal conditions.
- In conditions of high heat (78-90°F (25.5-32°C)), dry or windy conditions a light mist of **StarSeal[®] Assist** evaporation retarder or water must be applied after initial set of 1st and 2nd coat and only on the day of application.

YIELD/COVERAGE

- One bag will cover approximately 225 sq.ft. on the first coat and approximately 450 sq.ft. on the finish coat.

SPECIFICATIONS/COMPLIANCES

- ASTM C-109 – Compressive Strength
 - 28 days 7,450psi
- ASTM C-348 – Flexural Strength
 - 28 days 1,000psi
- ASTM C-190 – Tensile Strength
 - 28 days 440psi
- ASTM E-514 – Water resistance
 - Results Excellent

LIMITATIONS/SPECIAL NOTES

- Cannot be applied over active hydrostatic leaks. See Application Instructions.
- Do not apply to frozen surfaces or if temperature will fall below 40°F within 24 hours.
- Pot Life: 30 – 45 minutes at 70°F. Higher temperatures and low humidity may reduce pot life.
- Storage/ Handling: Store in tightly sealed original factory container. Keep from freezing and exposure to moisture. Store at room temperature prior to use. Care should be taken to keep dirt, water and contaminants away from the opening of containers.
- Delivery: Deliver materials to site in manufacturer's original, unopened packaging with labels clearly identifying product name and manufacturer.
- Proper application of Vexcon material is the responsibility of the installer or user. Telephone consultation and/or field visits by Vexcon personnel are for the sole purpose of making technical recommendations only, and not for providing quality control or supervision on location.

TOPCOATS

Allow Certi-Vex Seal Coat to dry 48 hours before applying any Vexcon Wall Coating. Contact Vexcon for product recommendation.

PACKAGING

Certi-Vex Seal Coating is available in white and gray colors and is packaged in 50lb. bags. Contact Vexcon directly to discuss your customized packaging requirements.

HEALTH AND SAFETY

- Use only with adequate ventilation.
- Use of gloves, goggles and other protective clothing is advised when using this product.
- If swallowed, do not induce vomiting.
- Use of respirators is advised when using in confined areas. Vexcon SDS VWSP112 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using this Vexcon product it is advisable to obtain a copy of the SDS from your distributor or by contacting Vexcon directly.

CONTACT US @

Additional product information, technical assistance and customer service are available by contacting Vexcon Chemicals directly or our distributors.

- vexcon.com
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- sales@vexcon.com
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WARRANTY

LIMITED WARRANTY: Vexcon warrants for a period of one (1) year from the date of manufacture that the goods supplied hereunder shall be of its standard quality and free of defects, and conforms to (a) Vexcon's published specifications in force on the date of acceptance by Vexcon of the order and (b) the sample which has been made available for testing by buyer prior to sale. Any claim under this warranty must be made in writing to Vexcon Chemicals within sixty (60) days after such non-conformity is first discovered. As the EXCLUSIVE REMEDY for any breach of this Limited Warranty, Vexcon at its option shall replace nonconforming goods or refund the purchase price. Since methods of use and application are beyond Vexcon's control, this Limited Warranty IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS LIMITED WARRANTY IS ALSO IN LIEU OF ANY OTHER POSSIBLE LIABILITIES OF VEXCON, WHETHER ALLEGED TO ARISE BY AGREEMENT OR BY OPERATION OF LAW, RESPECTING THE SALE, APPLICATION, USE OR FUNCTION OF VEXCON'S PRODUCTS, INCLUDING BUT NOT LIMITED TO CLAIMS OF NEGLIGENCE, GROSS NEGLIGENCE, MISUSE, STORAGE DAMAGE, MISAPPLICATION, ACCIDENT, STRICT LIABILITY OR ANY OTHER TORT. No person is authorized by Vexcon to assume for it any other liability of any kind in connection with the sale or use of products manufactured and sold by it, and there are no oral agreements or warranties collateral to or affecting any sale or use. All of the foregoing arises under the substantive law of Pennsylvania without regard to principles of conflicts of laws.

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