

VINYLCRETE

3C

A POLYMER-MODIFIED, PATCHING, POINTING AND RESURFACING MATERIAL WHICH MAY BE APPLIED FROM 1/8" UP TO 1-1/2"

VINYLCRETE is a polymer-modified, cement-based patching, pointing and resurfacing material for concrete and masonry surfaces. Vinylcrete may be applied from 1/8" up to 1-1/2" for horizontal applications and from 1/8" up to 1/2" for vertical applications.

USES and ADVANTAGES

- Easy to use, just add water.
- Polymer-modified.
- Resurfaces worn, pitted and spalled concrete and masonry surfaces.
- Use to repaint all types of masonry
- May be used as an underlayment and floor leveler for all types of flooring.
- May be applied horizontally from 1/8" up to 1-1/2".
- May be applied vertically from 1/8" up to 1/2".
- May be used for interior or exterior applications above or below grade.
- Unaffected by standing water.
- Resistant to freeze thaw cycles.
- Self curing under normal conditions.

SURFACE PREPARATION

Masonry and Concrete Surfaces

Must be sound and clean. Remove all dirt, dust, spalling or loose concrete, oil, grease, wax, mildew, efflorescence, curing compounds, form release agents, paint or any other foreign material which might effect the bond. **SEE WARNING ON BACK PAGE REGARDING PAINT REMOVAL.** A dry removal method such as a sand or shot blasting procedure will ensure a proper surface preparation. Wet cleaning may also be used. If the size of the job does not justify the costs of such equipment, all preparations may

be accomplished manually. All oil and grease must be scrubbed with a de-greasing compound, rinsed thoroughly then allowed to dry. After cleaning oil or grease spots, sprinkle a little water on the cleaned surface to check for residual contamination. Oil or grease is still present if the water forms small globules. If the water is quickly absorbed, the surface is clean. Efflorescence must be washed with a mild solution of muriatic acid and water, rinsed thoroughly then allowed to dry. **If after cleaning, the surface is extremely dusty, porous or if there is a question of bonding, prime with Bond All Exterior.**

Any rusted or corroded rebar or metal within the area to be repaired must be sandblasted or wire brushed making sure all rust is removed. Coat all cleaned metal with a slurry coat of Vinylcrete.

Wood Floors

Must be clean, dust free, rigid and well fastened. Nail or screw heads must be set level with or below the surface. Plywood must be CDX grade, otherwise delamination may occur. **Wood Floors must first be primed with Bond All Exterior.**

Always perform a spot test (of sufficient size) prior to application in order to ensure compatibility between Vinylcrete and the substrate as well as to confirm that the appearance and performance are acceptable.

MIXING

In a clean container, mortar box or mixer, add enough water (approximately 4 quarts) to the Vinylcrete to form a tight mortar like material. After mixing, allow material to sit for at least five minutes before applying. Only mix enough Vinylcrete which can be applied within 30 minutes. When applying over plywood or if bonding is in question, **Vinylcrete must be mixed with two quarts of Add Mix-21 and approximately two quarts of water per each 50 lb bag.** For applications over 1-1/2", Vinylcrete may be extended with 25 lb of washed and dried 3/8" peastone per each 50 lb bag of Vinylcrete.

As with any Portland cement-based material, mixing liquid should be kept to a minimum to avoid decreasing strength and adhesive properties.

APPLICATION

Place and trowel the material to the desired thickness, making sure all voids are filled. The finished surface may be steel troweled, floated or broom finished for a non-skid surface.

Working time is up to 1/2 hour depending on the temperature and humidity. Although Vinylcrete is self-curing, keep the finished surface damp to prevent a quick dry out when working in direct sunlight, wind or over very porous surfaces.

Vinylcrete will be ready for light traffic in approximately one to two days depending on thickness and curing conditions; heavy traffic in four days depending on thickness and curing conditions.



60 REAR NEWHALL STREET

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COVERAGE

Per each 50 lb bag of Vinylcrete:

<u>Average Depth</u>	<u>Coverage</u>
1/8".....	50 sq. ft.
1/4".....	25 sq. ft.
1/2".....	12 sq. ft.

CONTROL JOINTS

When resurfacing concrete, the base concrete slab and the Vinylcrete will move together, so all working joints in the base slab must be reproduced in the Vinylcrete. Joints must be full depth and be as wide or slightly wider than the existing control joints. If there are no control joints and the area to be resurfaced is greater than 200 square feet, joints must be cut into the Vinylcrete with no dimension greater than 20 feet. Control joints may be hand tooled or saw cut.

PRECAUTIONS

- Vinylcrete should be applied when the ambient and surface temperatures are 50 degrees F or above and will not fall below that for 48 hours.
- After mixing material, let sit for at least five minutes before applying.
- Do not apply over frost or frozen surfaces.
- Do not apply to CDX plywood in damp or exterior applications.
- Clean all tools and mixing containers with water during and immediately after use.

TEST DATA

Compressive Strength (ASTM C-109)
28 days.....6050 PSI

Tensile Strength (ASTM C-109)
28 days.....700 PSI

Flexural Strength (ASTM C-348)
28 days.....1800 PSI

WARNING!

Do not take internally. Contains Portland cement and Silica sand. May be irritating to the eyes and nose. Prolonged inhalation may cause lung injury. Avoid eye contact or prolonged contact with skin. Wash hands thoroughly with water after handling. In case of eye contact, flush with plenty of water for at least fifteen minutes. If irritation persists, consult a physician immediately. Dust masks, eye protection and gloves are recommended when using this product. Read Material Safety Data Sheet (MSDS) before using this product which may be obtained from your retailer or by calling 978-453-8881.

24 Hour Emergency Medical/Spill Information (Chemtrec): 800-424-9300

KEEP OUT OF THE REACH OF CHILDREN!

WARNING! If you scrape, sand or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.**

Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log onto www.epa.gov/lead. Wear a properly fitted respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

For technical assistance call
978-453-8881

www.umaco.com

LIMITED WARRANTY

The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective.

Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or its dealers responsibility. There are no other guarantees either expressed or implied.

03-01-05

- Concrete Patching and Repair Products
- Masonry Waterproofing Products
- Acrylic Admixtures and Bonding Agents



- Decorative Masonry and Concrete Coatings
- Traditional and Synthetic Stucco Systems
- Flooring Underlayments and Resurfacers