



McKrete™



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McKRETE™ OVERLAY SYSTEM

Use the McKrete™ Overlay System to beautify concrete and create an amazing surface. With a wide range of patterns and colors, it can be used on any interior or exterior concrete surface.

For more information on McKrete™, as well as our other industry-leading products, contact us at our toll-free number or on our Web site.

MCKRETE™ DRY MIX & ADDITIVE
Indoor or outdoor, this user-friendly acrylic material can be stenciled, taped or textured.

NOW AVAILABLE
MCKRETE COLOR PACKS
11 COLORS AVAILABLE

Packaged in double plastic bag. Remove outer bag and drop the inner dissolvable bag in mixing bucket. Mix as usual. One (1) Color Pack per Bag of McKrete.



\$9.00 for White

\$5.00 for all other colors

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McKrete

PHYSICAL PROPERTIES

McKrete is a cementitious acrylic compound, combines with water based epoxies and polyocrylates to create functional, durable floor systems for exterior and interior systems.

PERFORMANCE PROPERTIES:

	Unmodified Cement	Design McKrete		Unmodified Cement	Design McKrete
Tensile Strength (PSI) 28-Day Air Cure 28-Day Wet Cure	235 615	614	Impact Strength (in LB) 28- Day Air Cure 28- Day Wet Cure	6 7	18
Comprehensive Strength (PSI) 28-Day Air Cure 28-Day Wet Cure	2390 5795	5796	Wet Curing Conditions 1 day at 25C and 90% Relative humidity 6 day water immersion at 25C 7 days at 25C and 50% Relative humidity 7 day water immersion at 25 C 7 days at 25 and 50% Relative humidity		
Flexural Strength 28-Day Air Cure 28-Day Wet Cure	610 1070	1586			
Shear Bond Adhesion (PSI) 28-Day Air Cure 28-Day Wet Cure	45 (A) 185 (A)	649 (C)	Adhesive failure indicated by (A) Cohesive failure indicated by (C)		

DESIGN MCKRETE™ INSTALLATION

DECK PREPARATION:

- A. Clean all foreign matter off deck (mastic, oil, grease, dirt, etc.)
- B. Clean and acid etch with **McKinnon Materials' Etch & Degreaser (E&D)**.
 - 1. DO NOT wet deck prior to etching, pour directly on dry concrete.
 - 2. Use a 1:1 or a 3:1 mix, depending on condition of concrete.
 - 3. Check PH level of concrete: needs to be no higher than 9 on a PH scale.
 - 4. High pressure wash deck: It is very important to neutralize all acid.

INSTALLATION:

- A. Secure all areas around the deck to be installed so no overspray will drift onto undesired areas.
- B. If a scratch coat is desired:
 - 1. Mix a thin solution and pour onto the damp concrete. Use a trowel to spread out evenly.
 - 2. Let dry thoroughly.
 - 3. If you are using **McKrete™** to regrade or fill holes, use the special additive. Stir this additive for approximately 3 minutes and pour it out of the bucket.
 - 4. Mix 18-20 cups of additive to 1 bag of dry mix.
 - 5. With regular additive, mix 5 minutes, let stand 5 minutes, re-stir and use.
 - 6. Spray approximately 18" to 24" above deck with 15lbs of pressure. Always spray on damp deck.
 - 7. Troweler follows sprayer and should begin troweling before the **McKrete™** turns dull looking.
 - 8. Troweler will also carry a clean wet sponge to clean trowel.
 - 9. Check for dryness in the shady areas. If you can't indent the material with a thumbnail; it is dry.
 - 10. Lightly scrape or with a fluted brick, remove all surface imperfections and blow off the loose material.

SEALING THE DECK:

- A, Seal the deck with any of the sealers listed in the section described as SEALERS for use with **McKrete™**.

TYPICAL PHYSICAL STRENGTH PROPERTIES OF MCKRETE™

	<u>Unmodified Cement</u>	<u>McKrete</u>
Tensile Strength (PSI)		
28 Day Air Cure	235	614
28 Day Wet Cure ¹	615	
Compressive Strength (PSI)		
28 Day Air Cure	2390	5796
28 Day Wet Cure	5795	
Flexural Strength		
28 Day Air Cure	610	1586
28 Day Wet Cure	1070	
Shear Bond Adhesion (PSI) ²		
28 Day Air Cure	45 (A)	649 (C)
28 Day Wet Cure	185(A)	
Impact Strength (IN-LB)		
28 Day Air Cure	6	18

¹ Wet Curing Conditions

1 Day at 25° C and 90% Relative Humidity

6 Days Water Immersion at 25° C

7 Days at 25° C and 50% Relative Humidity

7 Days at Water Immersion at 25° C

7 Days at 25° C and 50% Relative Humidity

² Adhesive Failure Indicated by (A)

Cohesive Failure Indicated by (C)

PLUS FACTORS

WHY MARBLEIZED MCKRETE™ BY MCKINNON MATERIALS?

1. Available in many colors.
2. Customized to meet individual desires.
3. More versatile than marble itself.
4. More hiding power than regular epoxy systems.
5. Patented system only available at McKinnon Materials.
6. Practical to install.
7. Can be installed on vertical or horizontal surfaces.
8. Fire resistant.
9. Low maintenance.
10. Stain resistant.
11. Indoor or outdoor installations.
12. Ideal for commercial applications as well as pool decks, patios, driveways, basement floors, walls, tile floors, foyers and walkways.
13. Beautiful surface covering for concrete.

INSTRUCTIONS FOR MARBLEIZED MCKRETE™

PREPARATION:

All decks must be acid etched and degreased with **McKinnon Materials' Etch & Degreaser**, then neutralized with baking soda mixed with water. Pressure wash, make sure concrete is clean. Keep concrete damp during installation (no puddles). Proper preparation is very important for a successful job.

1. After thoroughly stirring the **McKrete™ Additive**, measure out 18-20 cups and pour into a clean, dry 5 gallon bucket. Add a 50 lb. bag of dry mix to additive slowly. Mix for approximately.
2. Let mix sit for 5 minutes, remix for 1 minute with a drill and use.

INSTALLATION:

1. Fill in low areas and cracks with above mix as needed. Bad cracks may take special treatment. If a different color than that of concrete is desired, then a scratch coat of colored material should be troweled on. After the scratch coat has dried, lightly scrape, sweep, and blow off with blower. Tape off desired pattern using grout tape or stencils.
CAUTION – NEVER ATTEMPT TO INSTALL A MARBLEIZED JOB WITHOUT GROUTLINES !!!
2. For every 100 square feet of deck, save 1 quart of the mix. Adding **KOLOR-KOTE Concentrate**.
3. Fill hopper with uncolored mix, spray covering 100% on the damp concrete. Spray no more than you can handle, depending on the drying time. While this spray is wet, change hoppers and lightly spray some of the colored mixture at the rate of about 1 quart per every 100 square feet. Both the sprayer and the troweler must wear golf shoes. Lightly trowel using a swirling motion to bleed the colored mix into the regular mix to achieve a “marble vein” effect. Over-troweling will bleed the color out.
4. Check for dryness in shading areas. If you cannot indent the surface with your thumbnail, it is dry enough to seal.
5. At this point, pull the grout tape up, lightly scrape to remove any burrs or loose material, sweep and blow clean with a blower.
6. Spray or roll one of the clear sealers as described in the McKrete™ SEALERS SECTION. Use a thin coat, allow to dry, then apply a second thin coat (make sure you allow time for the first coat to dry before you apply the second coat). Allow 24 hours before foot traffic and two days for automobile or heavy traffic. This, of course, depends on temperatures.

SEALERS FOR USE WITH MCKRETE™

McKrete™ is the most versatile decorative decking material on the market today. Due to its versatility, there is a wide selection of sealers available for use with it. The following list of sealers, their use, application procedure and properties. Remember that you should never apply any **McKrete™** product when the temperature is below 50° F.

1. KOLOR KOTE:

- A. **WATER BASE:** A water base paint-like material used to seal **McKrete™** when the entire surface is to be the same color. **KOLOR KOTE** may be rolled, but it is strongly recommended that you spray it on with an airless sprayer. It must be applied in very thin coats. Each coat must be completely dry before applying the next coat. Otherwise the **KOLOR KOTE** may crack or blister. Drying time is dependent on temperature and humidity.
- B. **SOLVENT BASE:** This solvent base paint-like material is recommended for use when doing commercial applications or very high traffic areas, going over Kool Deck and dealing with problem concrete. The application techniques and drying time are the same as water base. Due to its components: solvent base **KOLOR KOTE** has better, stronger adhesive qualities, for these surfaces.

2. CLEAR SEALERS:

- A. **CRYSTAL COAT:** A clear, water base sealer used where the color of the **McKrete™** is to show through as with brick or marble. Application and drying time is the same as **KOLOR KOTE**.
- B. **VINYL SUPREME:** A solvent base clear sealer that is somewhat harder than **CRYSTAL COAT**. It can be rolled or sprayed on. When rolled, it is helpful to use a smooth foam roller cover. When sprayed, you will want to thin each gallon with 10 fluid ounces of fast evaporating acetone. Apply in 2 or more very thin coats. Let each coat dry just enough so that it isn't sticky when you walk on it before applying the next coat. If you put down too thick a coat or do not let the **McKrete™** dry before dealing, the product will blister and come up. **VINYL SUPREME** great for use on medium traffic areas like pool decks, residential sidewalks, etc. It is the clear sealer of choice for all decks and floors except for heavy duty traffic areas.

3. URETHANES:

A. ALIPHATIC URETHANE: The hardest clear sealer available. Ideal for use in commercial applications, driveways of all kinds, shops, garages, kitchens, family rooms, etc. Application is the same as that of **VINYL SUPREME**.

B. HIGH PERFORMANCE URETHANE: A two component (2:1) aliphatic urethane that does not rely on moisture for drying, which makes it important in arid areas, such as found in Arizona, Palm Springs, New Mexico, etc. Can also be tinted as desired. High in solids and may be applied in one coat with a squeegee, roller or spray equipment. **HIGH PERFORMANCE URETHANE** is as hard as **ALIPHATIC URETHANE**.

4. MIRACLE GLAZE: A two component acrylic sealer.

HAZARDS OF XYLENE BASED MATERIALS: Xylene is a flammable material. It is found in both **URETHANES, VINYL SUPREME** and **SOLVENT BASED KOLOR KOTE**. Use of a cartridge type respirator is recommended when applying these coatings. It is essential that all sparks and flames be eliminated from the working area. Allow at least a few days ventilation for food preparation areas before exposure to food products.

We hope that this information will be of assistance to help you determine which product you require for a particular job. If you have any questions, please give us a call.

KOLOR-KOTE CONCRETE FINISHER

-----By **McKinnon Materials**

A Decorative Penetrative System for Concrete

PATIOS, WALKS DRIVEWAYS, BLOCK, STUCCO, CONCRETE, ROOFS, TENNIS AND SHUFFLEBOARD COURTS, APARTMENTS, CONDOMINIUMS, MOTELS & POOLS.

GENERAL INFORMATION AND PREPARTION FOR APPLICATION

CONCRETE FLOORS, WALKS, ETC.

All old paint, oil and grease must be removed with the proper remover. Muriatic acid will not remove paint, oil or grease. Most concrete must be etched, as a porous surface is required. Etching should be done by applying a solution of one part muriatic acid and one part water or McKinnon Materials' Etch & Degreaser with a plastic sprinkling can. THIS IS THE ONLY WAY. Muriatic acid reacts almost immediately upon contact with the alkaline concrete resulting in a rapid loss of strength. This proportion is based on acid of 20 strength. If weaker acid is used, increase strength proportionately. On extremely hard, polished concrete a stronger solution is necessary. The acid solution will neutralize in about ten (10) minutes. Rinse thoroughly with plenty of water using a hose if possible. This rinsing rarely effect grass or shrubs. Concrete properly etched, will have a "sandpaper" feel when rubbed. If not, repeat the operation. Concrete must be allowed to dry thoroughly.

All recommendations, statements, and technical date contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his/her own information and testing to determine suitability of the product for the intended use and user assumes all risk and liability resulting from use of products. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damages directly or indirectly resulting from the use of, or inability to use, the product. Recommendations or statements other than those contained in written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.