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The GENERATOR

United States of America



United We Stand!

Let freedom of choice ring across our great land. May you reap the benefits of a job well done, with attention to detail and pride soaring 2nd to none.

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Great American Cover Up

Join us today ... increase revenue & referrals tomorrow

When you expose yourself to the elements of nature, it makes sense that you: protect your skin with high SPF sunscreen to prevent deadly skin cancer; put on a jacket in the frigid cold/icy winter to shield your skin from frost-bite; use an umbrella if it is raining to keep from becoming waterlogged; and, in bright sun, shield your eyes from harmful UV rays with blue blocker sun glasses. It is equally important that porous, vulnerable concrete surfaces be adequately shielded/protected as well. What are your options? A UV-resistant clear sealer (or a pigmented one) or.... A resurfacing system offering freedom of design, choices of color, and limitless textures, all of which are manufactured by **McKinnon Materials** as part of our **Great American Cover Up**.

Interior and exterior floor maintenance costs are one of the highest, and most controllable, expenses of commercial businesses and public facilities. Sealers that are custom formulated (non-generic) and chemically engineered to assure longevity, performance, and survival are guaranteed to improve ease in cleaning/maintenance and sanitation by improving efficiencies in a sustainable, cost effective, and eco-friendly way. Our **MVP (Most Valuable Products)** line up will gain you a champion winning image, as well as increased revenue, and the referrals you deserve... as they free up funds for property owners to invest in other areas, instead of watching their money get sucked down the drain year after year.

Concrete Protection in Relation to Savings, Integrity, and Optimized Safety

- Concrete and reinforced steel are vulnerable to moisture intrusion, resulting in costly damage and steel corrosion (rebar/wire mesh). Corrosive environments lead to loss of stable foundation and infrastructure deterioration. Once the protective layer of steel is gone the volume (diameter) of it will increase; ergo, microscopic fissures, structural cracks, and flaking in the concrete substrate will develop.
- When water migrates into porous concrete and then freezes, it expands, resulting in spalling/rough pitting. The more freeze/thaw cycles concrete is subjected to annually, the more dire the level of deterioration. If road salts are carried onto concrete by vehicles, or used for routine snow melt purposes, the chlorides (salts) will substantially ramp up the destructive conditions. Salt is hygroscopic, attracting more water into the concrete capillaries, leading to increased hydraulic pressure. The water of salt water swimming pools is also aggressive to unsealed concrete (NOTE: There are a "limited" number of sealers that can survive exposure to salt water pool environments).
- Various organic and inorganic substances will etch and deteriorate porous concrete. Compound that by a wide range of foreign matter that will permanently stain/discolor the surface. Both contribute to the property taking on a neglected/uncared-for image in the eyes of the public and patrons, as well as making cleaning/maintenance and sanitation difficult and time consuming for janitorial staff.
- Loss of concrete strength and integrity that requires removal/replacement is extremely costly (typically, 10 times more so than preventative concrete care/maintenance practices), as are repairs; with loss of use time, potential damage to landscaping, noise and dusty conditions, and other inconveniences adding to the dilemma. Cracked, heaving, and sinking concrete are a trip/fall liability hazard. General Liability and Workman's Compensation premiums are based on accidental injury claims history. (Hazardous concrete conditions will increase the number of claims, as well as make it more difficult for those who are physically challenged to safely transverse over/thru the area with ease.)
- Exposed aggregate concrete is prone to stone pop-out, especially in frequent freeze/thaw zones. Rapid expansion/contraction of concrete causes the concrete to pull away from the stone — and more so when water enters into the voids/fissures around the stone, then freezes — leading to countersunk pits where stone used to be (becoming uncomfortable to walk on and impossible to clean and sanitize).
- Smooth trowel-finished concrete can be slick (hazardous) if safety engineering is not properly addressed in order to meet COF guidelines of ADA & OSHA on wet and dry surfaces (Guideline/document provided upon request.) Micro-medias added into high performance sealers/coatings that add traction and/or textured surfaces will deter, or prevent common slip/fall injuries as long as properly maintained.

Our **Great American Cover Up** sealers, concrete resurfacing systems, and decorative/textured concrete overlayers will provide lasting resolutions to the aforementioned issues/problems while utilizing **McKinnon's** trusted and environmentally compatible advanced technology. A professional level of concrete shielding is required - not merely desired, as part of preventative maintenance and an asset protection program that is designed to last.



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Helpful Hints

Water, be it from rain or water sprinklers on timers, coming in contact with sealers before they have sufficiently dried/cured out can leads to loss of clarity issues. Ensure that sprinklers on your job site — as well as those of neighboring ones (Water does not recognize property lines!) — are turned off. If the clear sealer does takes on a foggy/milky due to water contact, there are potential ways to regain clarity:

- (1) Use a heat gun, held a minimum of 18” away from sealer, waving it back and forth while moving it across the surface. This will bring about release of trapped moisture within the sealer. If sealer contains solvent you must allow sufficient time for the sealer to dry (contained solvent to escape) before using this heat gun, or weed burner torch, method. Or...
- (2) Mist sealer with Xylene; then, roll over it with a paint roller. If a small area, wipe with Xylene.

These work best on low solids acrylic, water based epoxies, or waterborne urethanes.



Contractors Spotlight

For 32 years, Flex-Path of Sarasota (www.flex-pathinc.com) — a family business owned by Kim & Rose Klempner, located in Port Charlotte FL — has focused on quality, building a rock solid foundation of excellence, proven to be #1 and 2nd to none.

The key to success and longevity starts with the ability to inspect the condition of the concrete; then, follow through with all necessary surface prep. A great many concrete slabs have random cracks. These are ideal candidates for a freestyle flagstone pattern such as the featured pool deck in the photo below. (*Cracks are routed out, treated/filled. However, future stress, ground faults, base soil erosion, and other uncontrollable or foreseeable issues can cause them to crack again*).

This deck was created by applying **McKrete**. When firm, a grout cutter was used to create grout lines. (*These will serve to camouflage the re-occurring of cracks beneath them, if they should re-occur.*) It was, then, hand colored to achieve a classic mottled natural stone illusion; grout lines were colored in using a contrasting color. Two coats of **Vinyl Supreme** were applied to this hardscape surface: to highlight the vibrancy of color; to provide a high level of



protection from the harsh elements of nature (including the UV rays of sun); to allow for ease in cleaning; to create a stain resistance to foreign matter; and, finally, to give the ability to resist chemically treated swimming pool water that it will inevitably come in contact with during public use.

The limitless texture options associated with **McKrete** provide a desirable degree of slip/fall resistant traction on interior/exterior surfaces, be they wet or dry.

Hazards of Puddling Water Eliminated by Epoxy Stone Surface

Puddling water — on surfaces that have depressions or are poorly designed to allow for effective runoff — can create dangerous conditions in relation to potential slip/fall injuries as well as serve to create a habitat for algae, mold, and fungus growth.

Water/moisture from rain, sprinklers, splashed swimming pool water, spills, plumbing leaks, ice machines, leaking vehicles, condensation, and other sources ... all become an accident just waiting to happen and a high-risk liability, especially in public areas. Removal and replacement of concrete surfaces that contribute to these conditions is extremely cost prohibitive and requires an extended period of downtime to do so. **McKinnon Materials Epoxy Stone Resurfacing Systems** provide water with a porous pathway to pass down through due to the voids between the naturally rounded stone and epoxy that bonds it together. Low spots are filled and repairs made using a strong proprietary epoxy grout matrix that will securely lock, both adhesively and mechanically, to properly prepared concrete. As water, miscellaneous liquids, and melting snow/ice drain down to the substrate level, they will follow the contour of the concrete, runoff, and evaporate. Epoxy stone pool decks to left were done by **Flex-Path of Sarasota, Florida**.

In freeze/thaw environments, the line of least resistance for the expansion of ice will be up and out of the porous epoxy stone overlayment ... instead of spalling or popping the epoxy stone surface apart due to excess expansive pressure, as is typically the norm with unsealed/porous concrete surfaces.

For detailed information on **McKinnon Materials Epoxy Stone Systems** please visit our website. (www.mckinnonmaterials.com) There, you will also find an impressive photo gallery that displays a limitless array of colors and blends, further enhanced by contrasting borders, logos, driveway/house numbers, artistic integral mosaic-like inlays, etc. Individualized hands-on training is available upon request by appointment (at your convenience), if you would like to take advantage of this optional opportunity that will provide you pools of profit.