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Issue 11

The GENERATOR

Contractor Spotlight ... 3-E Industries

Hands-On Training

Year-round hands-on training: **Epoxy Stone, Aurora Dust Epoxy, McKrete, seamless Colorquartz and Flake/Chip Industrial Flooring, Polymer Cementitious Overlayments** (including stencils, grouting & tape) and High Performance Coatings, etc.

Two & 1/2 days for all at the above at a nominal cost; or less days/cost if you want to focus your time, talent, and attention on just a few. Training videos are also available.

Please visit our website or call for training opportunity details.

Trent, Ed, and Erick Ehinger, of 3-E Industries (Roanoke IN) are well known for their creative edge, decorative talents, amazing abilities to install vibrantly colored patina, creating well-dressed concrete on interior and exterior surfaces which are chemically engineered for ultimate survival under challenging end-use conditions (industrial/commercial, foot/vehicle) along with the harsh elements of Mother Nature (freeze/thaw cycling and UV rays).

When **Country Heritage Winery and Vineyard (Laotto IN)** were seeking to resurface their floors in an ageless, classic, old-world-charm manner, they called on the professionals at **3-E Industries**. Although there were numerous ordinary types of flooring surfaces to choose from, “extraordinary” ones were chosen, ones that would hold their natural beauty, provide ease in cleaning/maintenance, and would be as tasteful as the distinctive wines produced.

The **McKinnon Materials** custom formulated line of resurfacing systems and high performance coatings form a strong bond over various substrates, complimented by a well-cared-for appearance and to be enjoyed by the guests of the clientele for many years to come.

Fine Quality Workmanship at the Country Heritage Winery & Vineyard

AURORA DUST EPOXY FLOOR (1,000 Square Feet): Prepared the surface, as per the recommended guidelines. The next step in the process was coating the profiled concrete with a **Black Epoxy Primer** coat (specifically formulated for Aurora Dust Epoxy system). After allowing for dry time, the alluring 3D **Aurora Dust Epoxy** system was then applied, which consisted of mixing the fine shimmering metallic dust with our 100% solids clear **Industrial Epoxy**. The colors used were **Brass Aurora Dust** base color with **Copper Aurora Dust** highlights. Finally, a protective/shielding finish coat of highly wear/abrasion resistant modified **Polyaspartic** aliphatic polyurea tops off this unique floor.

EPOXY STONE RESURFACED FLOORS (2,100 Square Feet): This project included all main floor areas, along with (26) 5' diameter tabletops. Naturally rounded processed river rock (washed/dried), **Apache** color, was mixed with custom formulated **UV resistant 100% solids Stone Bond Epoxy**, and then hand troweled over concrete substrate. Bathroom floors and bar countertop were done using **Multi-Color Flint** river rock, again mixed with epoxy and hand troweled in place. In order to assure ease in cleaning, maintenance, and sanitation, the epoxy stone surfaces on the 26 tables, bar countertop, and bathroom floors were filled (to achieve a smooth and completely non-porous surface) using 100% solids clear **Industrial Epoxy**. When this epoxy had dried/cured, a final finish coat of **Polyaspartic** was applied, not only assuring a maximum degree of wear/abrasion resistance, but also greater resistance to natural acidic matter, common chemicals, and foreign substance stain. The porous epoxy common area floors can be cleaned by damp mopping (with neutral non-aggressive PH balanced biodegradable/environmentally safe cleaners), a steam cleaner, or carpet cleaning extraction machine. Epoxy stone offers true freedom of design and decorative inlays (mosaic-like appearance); ideal for a vast number of concrete resurfacing restorations.





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Stencils & Grouting Tape



A wide selection (see website for examples under **McKrete** section) of **Stencils** and **Grouting Tape** is available for ease in creating decorative concrete using our **McKrete Overlay System**.

Stencils (1,000 Sq. Ft. roll):

- ** Non-Adhesive: \$299
- ** Reusable Plastic: \$265

Grouting Tape:

- ** 3/8": \$5/roll
- ** 1/2": \$5/roll
- ** 3/4": \$6/roll



CHROMASTAIN

Environmentally friendly, water-based concrete stain. Sample kit contains all 7 colors plus reducer and spray head, available for only \$30.

For detailed information on **Chromastain**, please visit our website at www.mckinnonmaterials.com/chromastain

Cold Weather Stone Bond Application – Challenge Accepted!



Don Mobley of Cherokee Epoxy (Rifle CO) has built a strong foundation of success applying **Epoxy Stone**, going back decades, on exterior surfaces that are subjected to harsh extremes of Nature (*as well as interior ones*).



This driveway features a contrasting border as does the home’s front entry area. This concrete substrate has a radiant heat snow melt system; unfortunately, it failed just prior to the scheduled date of application. This did not deter Don from completing his mission, in spite of the cold (*see the snow on ground*) due to his use of **Cold Weather Stone Bond Epoxy**. His professional expertise, in combination with our time-tested materials, assured his outstanding success to persevere, overcome, and overlay the concrete as planned, delighting the property owner.

As we all know, customer satisfaction, quality craftsmanship, and creativity pave a rock solid pathway to the referrals and revenue deserved for a “job well done” that is second to none. Keep rocking!

Eliminating Odors That Permeate Out of Concrete

Have you ever received a call stating: “My floor stinks, and I cannot permanently get rid of it”!

Urine is the most frequent cause, with that of cats being the worst. Urine seeps through carpet, manufactured flooring that has joints/seams, and other pervious materials (*including grouts that have deteriorated or shrunk*) entering into the concrete.

Remedy: First, use a black light (at night) to identify where urine shows up (*will have a neon yellow look*). Next, use full strength 3% hydrogen peroxide. Pour on spots, scrub, then wait 30 minutes (*keeping it wet*). Rinse thoroughly. Use a wet/dry vacuum to remove the liquid and allow to dry. Check with black light again. Repeat, if necessary. (*Peroxide alternatives include Nature’s Miracle or other enzyme cleaner.*) Once you have successfully removed the urine spots, seal the slab with a **non-vapor permeable sealer** (*i.e., McKinnon Materials 100% solids Industrial Epoxy*).

DO NOT USE any type of vapor permeable sealer: *e.g., water or solvent based acrylic, waterborne urethane, water based epoxy, concrete densifier or impregnator, etc.* The reason is that, if the urine penetrated deeper into the concrete than your cleaning/removal method achieved, it will eventually rise back up and out through vapor permeable sealers as normal Moisture Vapor Emissions (MVE) take place. Concrete paints are not an odor elimination remedy either. They are prone to peeling/flaking/blistering and delamination due to MVE and topical/non-penetrating characteristics; ergo, odor will rise out again through all these causes and effects.

Once the floor has been sealed with a non-vapor permeable sealer/coating, the property owner can proceed with whatever type of flooring they choose to use. (*No more fear of the offensive smell!*)

Once the floor is clean and ready to go, now would be a great time to suggest to your customer a decorative concrete surface, or any of our other valuable, long-lasting, appealing concrete resurfacing systems that allow freedom of design and color.