

BRIEF INSTRUCTIONS FOR APPLICATION OF the AC•Tech 2170™™ Water Vapor Reduction Systems

The AC•Tech 2170™™ is a one-coat; easy to apply system that can deliver a floor with finished resilient flooring in as little as 1 day (depending on the size of the floor and the size of the available work crew and AC Tech product used). Follow these steps:

1. Take core samples if the previous (resilient or epoxy) floor had a failure of unknown origin on it or if the previous usage of the facility is of questionable nature or there are stains and/or unknown contaminants visible on the concrete. Perform appropriate moisture testing to determine the MVER (Moisture Vapor Emission Rate) of the slab;
2. Remove all old flooring, epoxy coatings, adhesive etc. using best mechanical method, avoid using solvents or "soy" type adhesive remover; *never acid etch*.
3. Using a small, handheld diamond grinder(s) with dust removal equipment, edge grind around all walls, doorways and obstructions;
4. Shot blast up to the ground areas using a shot blast machine with the appropriate size shot. Shot blast to a CSP – 3 on new concrete and a CSP – 4 on older concrete¹;
5. Set "mixing station" close to work area and mix the AC•Tech 2170™™ material by pouring the "B" can into the "A" can while the mixer with a "jiffy" type mixer paddle; mix thoroughly for 2.5 – 3 minutes. Do not store cans in direct sunlight causing them to overheat as this will cause the reaction to significantly speed-up. Mix to a homogenous mixture and immediately pour on deck for squeegee operations.
6. Apply ONE coat of the AC•Tech 2170™™ or the AC•Tech 2170FC™™ (fast cure) using an appropriate spread rate; refer to product data sheets for guidance on spread rates. Spread rates are also dependent on the condition and porosity of the concrete and the surface profile achieved during preparation. Use standard epoxy coating procedures to squeegee and backroll with an appropriate 3/8" nap roller;
7. Allow 12 hour cure for the AC•Tech 2170™™; and 4 hour cure for AC•Tech 2170FC™™. Cure dependent on ambient temps and humidity. Both products are at full cure in 5 - 7 days;
8. When MVER coating is cured:
 - a. Flooring applied directly to the cured coating: Apply adhesive for resilient flooring directly to the AC Tech 2170™™, NOTE: use only an adhesive that is formulated for a "non-porous" substrate; or
 - b. Self-leveling underlayment is to be used: Apply the "SLP" single component primer to the cured 2170™™ at a spread rate of approx. 800 – 1,600 square feet/gallon, (this rate is dependent on the surface conditions). Allow 30 - 50 minutes for cure depending on ambient temperature & humidity.

¹ CSP; Concrete Surface Profile; ICRI Guideline 03732; "Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings and Polymer Overlays" www.icri.org.

NOTE: Whenever applying any cementitious, self-leveling underlayment over the cured AC Tech TM® Systems, you must apply a primer to the cured AC Tech 2170TM prior to the application of the underlayment. NOTE: Always apply the MVER system to the prepared concrete first, then the underlayment, never apply AC Tech 2170TM Systems over an underlayment as this will (in the presence of moisture drive) cause the underlayment to expand, de-bond and fail.

9. After proper cure time of the underlayment, the deck will be ready for the final flooring system to be installed.

Our System will allow you to turn projects over from floor prep to final floor in as little as one day.

- The AC Tech 2170TM is a 1 COAT SYSTEM;
- The AC Tech 2170 FCTM will cure in as little as 4 hours;
- The AC Tech SLPTM primer allows underlayments to be applied in as little a 40 minutes after application of this SINGLE COMPONENT PRIMER!
- We are the best compared with the competition with this fast-track approach to flooring.