

## Application Instructions: VaporSolve™ Fresh Concrete System

### SURFACE PREPARATION

None needed if application is done within 24 hours of finish troweling. If more than 24 hours elapses, allow the concrete to cure for 5 days and shotblast using a 50/50 blend of 230/280 shot. Floor must be cross-hatched (North-South, East-West) to achieve a CSP 2-3 profile (texture similar to 80 grit sandpaper). Vacuum well to remove all dirt.

### **Mixing Instructions**

VaporSolve™ FC is packaged in 2 gallon and ¾ gallon kits. Do not attempt to mix partial kits. **Proper proportioning and homogenization are absolutely critical for success.** Pour the entire contents of Part B into the Part A container. Drill mix for one full minute **by the clock**. If mixing a two gallon kit, add 2 ½ gallons of water to the mixed material. You will now have 4 ½ gallons of liquid in the 5 gallon pail. Mix again for one full minute **by the clock**. If mixing a ¾ gallon kit, pour the entire contents of Part B into the Part A container. Drill mix for one full minute **by the clock**. After initial mixing, add 1 gallon water and mix again for one full minute by the clock. **Do not add water before the initial product mix.** Be sure to move the drill around the mixing container scraping the sidewalls and bottom.

### **Application Instructions**

Freshly poured concrete must be cured well enough to support foot traffic and agitation of the material with a floor machine using a nylogrit brush. Apply the mixed and reduced material by spray (pump-up, HVLP or airless) or by pouring out of a sprinkling can. A 4 ½ gallon kit of mixed and reduced product should be spread over a 500 sq. ft. area. A 1.75 gallon kit of mixed and reduced material should be spread over 187 sq. ft. This equates to spreading the unreduced product at 250 sq. ft. per gallon.

Immediately after spreading the product, it must be worked into the fresh concrete with the floor machine using a nylogrit brush. Be sure to overlap on each pass. Immediately after scrubbing, a mechanic in rubber boots must finish roll the surface with a ¾ inch nap roller. If the material on the floor has become difficult to roll, a light spray with water will “refresh” the product and rolling will be easier.

After a 12 hour cure, seal around pipes, conduits and other penetrations with VaporSolve™ Joint Filler (Fast Cure). Apply VaporSolve™ 100 at 200 sq. ft. per gallon to complete the curing/moisture remediation system. Dry film thickness will be 12 mils. Low permeability flooring or coating systems may be applied after the VaporSolve™ 100 has cured for 12 hours.