

Installation Procedure Sure Hard Densifier J17

Description:

Sure Hard Densifier J17 is a colorless, odorless solution of specialized reactive chemicals that penetrate concrete surfaces to seal, densify and harden the material. Sure Hard Densifier J17 is a water based product and as a result is V.O.C. compliant in every area of the country and environmentally safe to use. Sure Hard Densifier J17 penetrates into the concrete, where it reacts with free calcium to form insoluble calcium silica hydrate, which makes concrete more water, stain, and abrasion resistant for easier maintenance and longer life.

Use:

Sure Hard Densifier J17 is a premium product for hardening, dustproofing and sealing of concrete. It is excellent for concrete floor applications where long term resistance to dusting, black rubber tire marks and water is important. Sure Hard Densifier J17 leaves no surface film to wear off or abrade because it penetrates the surface and becomes an integral part of the substrate.

Surface Preparation:

All surfaces to be treated must be clean, sound and absorptive. Remove all membrane forming curing compounds, sealers, oil, grease, dirt and other contaminants. Remove any concrete laitance and patch or fix all cracks and damaged areas. New concrete should be properly cured a minimum of 7 days in accord with ACI 302 by one of the following methods: water, plastic sheeting, reinforced paper or membrane-forming cure. If a membrane-forming cure is used it will require removal prior to the application of the J17. It is recommended to use the Citrus Cleaner J48 for the removal of those curing compounds or curing & sealing membranes.

Mixing:

Mix thoroughly prior to each use.

Placement:

Apply Sure Hard Densifier J17 to point of rejection (by spray, roller, brush or pouring), then scrub the product using a soft bristle broom or mechanical scrubber.

Continue to work the material until the product begins to thicken and gel, usually in 15-30 minutes, depending on the surface and ambient temperatures. You can tell that it is gelling because it will become slippery under foot.

Once product has begun to gel re-wet the surface with water (do not flood at this time). This will help put the product back into a workable solution and work for another 5-10 minutes. This will assist in helping product “draw-down” into the slab as much as possible.



Be sure to keep the surface continuously wet with the Sure Hard Densifier J17. Do not allow the product to dry, apply additional product if needed to keep wet while working.



On large projects the use of a ride-on scrubbing machine is recommended. Tenant manufactures a wide range of these machines.

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It will allow the contractor to complete the project quicker, more efficient and is more cost effective.

On large projects an applicator will probably incorporate all three methods (broom, swing and ride-on).



Once dry, the treated areas can be polished if required. Over time with use, the treated surface will develop a “polished” appearance.



Removal

Flood, flood, flood! Thoroughly rinse and then squeegee or brush off excess material until dry. Once chemical reaction has taken place no amount of water will negatively impact the treated area.

Do not allow the product to dry on the surface.

- If a second coat is required, immediately apply it in a similar manner as the first coat. Do not allow the treated surfaces to dry between applications.
- Additional applications may be applied at future a time, as long as the substrate is clean, sound, and absorptive

Potential Problems:

Appearance of white haze, or blistering on concrete surface

Cause: Allowing the Sure Hard Densifier J17 to dry on the surface, or insufficient rinsing once complete.

Resolution: Attempt to remove using hot water and scrubbing. Dried material may require sanding or grinding for removal.

