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. Ideal applications include, but are not limited to, industrial plants, warehouses, schools, factories, hospitals, malls, food processing plants, textil mills, freezers, water and sewage treatment plants, parking decks, airports and stadiums.

FEATURES
- Seals, hardens and dustproofs
- Resists black rubber tire marks on floors
- Lasts longer than topical floor coatings
- Will not scratch or peel
- Environmentally safe
- Water Based, V.O.C. compliant
- No odor, no fumes
- Meets USDA requirements for Incidental Food Contact
- Develops a more polished look with age

PROPERTIES
Specific Gravity: 1.2
Flash Point: None
Depth of Penetration: As much as 5mm into concrete
Water Absorption (ASTM C-642): After 48 hour immersion, 19.7% improvement over untreated control specimens
Compressive Strength (ASTM C-109): Concrete treated with J-17: 7560 psi (52.1 MPa) untreated concrete: 6530 psi (45 MPa) average
Water Vapor Transmission Rate ASTM F 1869: 5.00 lbs/ 1,000 sqft/ 24 hours, 31% Improvement over untreated control specimens
Taber Abrasion (ASTM C501): 16.5% improvement over untreated control specimens
Dynamic coefficient of friction (ANSI A137.1 Slip Resistance): Concrete substrate: 0.52 After J-17 densifier was applied: 0.54. Meets ANSI A137.1 (DCOF) of 0.42 or greater

Drying time:
Approximately 2-4 hrs. at 70°F (21°C). Allow treated area to dry before opening to traffic. Dry time is temperature, humidity and wind dependent.

VOC
0 gm/liter VOC. Compliant with all Canadian and U.S. VOC regulations including Federal EPA, OTC, LADCO, SCAQMD & CARB.

Estimating Guide
First Coat: 200 sq. ft./gal. (4.9 sq. M/L)
Second Coat: 300 - 400 sq. ft./gal. (7.4 - 9.8 sq. M/L) (if necessary)

Texture and absorption of surface will determine final coverage rates. Porous concrete surfaces may require additional material.

Packaging

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STORAGE
Keep from freezing. Shelf life is 12 months from date of manufacture in original unopened containers.

APPLICATION
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 J-17. 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. Work in this manner until the product begins to thicken, usually in 15-30 minutes, depending on the surface and ambient temperatures, then rewet with water and work for another 5-10 minutes.

Visit www.daytonsuperior.com for the most up to date technical information
Do not allow the product to dry, apply additional product if needed to keep wet while working. Thoroughly rinse and then squeegee or brush off excess material until dry. On porous or rough surfaces, a second application may be required. 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.

The use of a mechanical scrubber will increase the effectiveness of the application. The treated surface will develop a "polished" appearance over time.

CLEAN UP
Immediate and thorough flushing with clean water while material is still wet. Dried material may require sanding or grinding for removal.

MAINTENANCE
Mop or use mechanical scrubbing with detergents or water. Mopping or scrubbing the floor will prolong the life of the floor, as well as increase the "polished" look. Wipe up chemical spills as soon as possible.

LIMITATIONS
FOR PROFESSIONAL USE ONLY
Ponded or puddled material must be removed by squeegee or brush, otherwise white residue will appear on the surface. If white residue starts to appear on the surface during drying, immediately remove with hot water and scrubbing. Floors are slippery during application. Porous, low quality concrete substrates or floors with a rough surface may not develop a "polished" appearance over time. Apply only when temperatures are above 40°F (4°C). Avoid contact with glass, aluminum and polished metal surfaces. Protect from contact. If contact occurs, wash immediately with soap and water to prevent etching. For colored concrete, contact Dayton Superior. A test installation is recommended.

PRECAUTIONS
READ SDS PRIOR TO USING PRODUCT
- Use with adequate ventilation
- Wear protective clothing, gloves and eye protection (goggles, safety glasses and/or face shield)
- Keep out of the reach of children
- Do not take internally
- In case of ingestion, seek medical help immediately
- May cause skin irritation upon contact, especially prolonged or repeated. If skin contact occurs, wash immediately with soap and water and seek medical help as needed.
- If eye contact occurs, flush immediately with clean water and seek medical help as needed
- Dispose of waste material in accordance with federal, state and local requirements