TECHNICAL DATA - PRODUCT INFORMATION
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CON-LITH

DESCRIPTION:
Con-Lith is a chemical liquid floor hardener, that strengthens, hardens, dustproofs and improves the abrasive wear resistance of concrete floors. Con-Lith is a sodium silicate based material that chemically reacts with the free lime in the concrete to produce a chemical compound called calcium silicate hydrate or tobermorite gel. Con-Lith is a safe, nonflammable water soluble with 0 VOC's.

USES:
Con-Lith may be used for dustproofing and sealing concrete floors, in warehouses, industrial plants, commercial and residential buildings. Con-Lith is formulated for use on cured concrete floors to provide greater wear resistance, increased resistance to chemical attack and minimize penetration of oil and grease.

CHARACTERISTICS:
Con-Lith will penetrate down through the pores of the concrete. The deeper the penetration the more effective the treatment. Con-Lith penetrates the surface of the concrete and chemically reacts with the free lime to produce an insoluble crystal with excellent wear resistance. The resulting surface is dust free and resistant to abrasive wear.

LIMITATIONS:
New concrete must be thoroughly dry and cured a minimum 14 days; best results are obtained with a full 28 day cure. Do not use on coloured concrete. Do not apply to surfaces previously sealed or treated with other materials. Pre-finished floors will inhibit the penetration of Con-Lith. Do not prepare old concrete with acid washes. Do not apply to glass, brick or aluminium surfaces as this is a caustic material. In the event of a spill or misapplication, rinse immediately with clean water. Do not use metal containers for mixing or storage.

SURFACE PREPARATION:
Concrete surface must be structurally sound. All loose dirt, oil, wax, sealers, curing compounds, and other foreign matter or carbonation must be removed. The preferred method of surface preparation is by mechanical means such as shot blasting or diamond grinding. Chemical cleaning may be done, using trisodium phosphate or a strong detergent. The pores of the concrete must be opened to allow for best penetration and maximum effectiveness.

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APPLICATION TECHNIQUES:
Ensure concrete is completely dry before application. Spread Con-Lith over the surface by using a low pressure/airless spray unit or garden type sprayer, soft fibre broom, squeegee or mop. Apply a slight flood coat to the surface at about 200 square feet per gallon. Scrub the material into the surface with a stiff-bristle broom or janitorial floor scrubbing machine for 15 to 30 minutes until the product begins to gel or become slippery. Remove excess material with mops or wet/dry vaucuum. Allow surface to dry before application of next coat. (**Important:** If white crystals develop on the surface during application, flush the surface liberally with clean, preferably hot, water. At the same time, rapidly brush the floor with a stiff bristle broom. Excess water can then be mopped up and the surface allowed to dry.)

Use a broom to spread product around taking care to avoid puddling. Areas where Con-Lith soaks in quickly may be more porous. Apply more product. In hot or windy conditions, soak the area after application. This will prevent premature drying and ensure the development of a stronger surface. Maximum saturation has been reached when white crystals* begin forming on the surface. At this point the floor must be flooded with clean, preferably hot, water and scrubbed with a stiff bristle broom. Any excess material must be removed, then the floor allowed to dry.

If a polished appearance is desired a commercial floor scrubber with a black pad can be used while the floor is flooded. Continue buffing until the floor acquires a patina or polish and the whiteness is gone.

*White crystal formation indicates either maxiumum saturation or that the solution itself is too strong for the surface. In either case, the surface **must** be flushed when crystals begin to appear. Failure to do so will allow them to dry and grinding will be necessary to remove them.

COVERAGE:
Approximately 200 square feet per gallon depending on the porosity of the concrete being treated

CLEAN-UP INSTRUCTIONS:
Clean up tools and equipment with water immediately. Dried material is very difficult to remove, and may require mechanical abrasion for removal.

Seller warrants that the product described on the face hereof has been manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer shall be responsible for any claims resulting from the failure to utilize the product in the manner in which it was intended and in accordance with instructions provided for use of product. The only obligation of either the seller or manufacturer shall be to replace any quantity of this product which proved to be defective. Neither seller nor manufacture assumes any liability, loss, or damage resulting from use of this product.