



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 $\frac{1}{8}$ to $\frac{1}{4}$ inch. 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. Clean floor to open the concrete pores and allow for hardener penetration. All loose dirt, oil, wax, sealers, curing and parting compounds, and other foreign matter or carbonation must be removed. The preferred method of surface preparation is abrasive blasting or shotblasting. Chemical cleaning may be used, using trisodium phosphate or a strong detergent.

APPLICATION TECHNIQUES:

Ensure concrete is completely dry before application. Apply Con-Lith over the surface by low pressure/airless spray equipment, 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 other such suitable means. Allow surface to dry before application of next coat. If white crystals develop during application, flush the surface liberally with clean water, preferably hot. At the same time, the floor must be rapidly brushed with a stiff bristle broom. Excess water can then be mopped up and the surface allowed to dry.

Additional product may be required. If puddles form in low areas use a broom to move the product around. In areas if the Con-Lith soaks in quickly, these areas may be more porous and more product may be needed to be applied in those areas. In hot or windy conditions soak the area with water to slow down the reaction to keep from drying and create a better seal. To achieve the appearance of a polished sheen from traffic: As the last of the product is drying wait for the uniform appearance of white crystals. Flood the floor with water and buff with a commercial floor scrubber using a 3M Black Pad or similar abrasive. Continue buffing until floor acquires a patina or polish and the whiteness is gone.

White crystals developing after the application signifies too strong a mix or the surface reaching maximum hardness. If this occurs, the applications should be stopped and the surface flushed with clean water, broomed with a stiff bristle broom, then allowed to dry.

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.

REV 05/14/12

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.