

LD - 1800

LITHIUM SILICATE SEALER
HARDENER & DENSIFIER



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Local 1-352-567-7973
www.SureCreteDesign.com

Technical Data

PACKAGING

5— Gallon Pail
55— Gallon Drum
275— Gallon Tote

Coverage

Approx. 300-400 sq ft per gallon

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufacturer's/seller's option. SureCrete Design Products shall not be liable for cost of labor or direct and/or incidental consequential damages.

PRODUCT SPEC'S

Drying Time

varies, approx. 1 to 2 hours

Color Clear

Solids approx. 8%

Flash Point N.A.

V.O.C. 0 lbs per gal

Freeze Point

32°F (do not allow to freeze)

Shelf Life

1 Year sealed container

DESCRIPTION

LD 1800 provides a clean, safe, economical "stand-alone" finished concrete floor. This penetrating treatment reacts chemically with the free lime in concrete to produce calcium silicate hydrate within the concrete pores, making the concrete stronger and more durable.

LD 1800 is a most desirable alternative to conventional sodium or potassium sodium hardeners that leave a high concentration of salts deposited upon the surface. It will not contribute to alkali silicate reaction (ASR).

LD 1800 is non-flammable, VOC compliant, environmentally safe, and non-staining.

SURFACE PREPARATION

Surface must be dry and clean of dust, dirt, oils, and other surface contaminants. It is imperative to provide surface profiling on concrete deck surfaces that are especially smooth, hard, dense, etc.

For most applications, the most common means of profiling is accomplished with the use of **SCR**, the safe substitute for muriatic acid. See the application sheet for **SCR** for proper technique and instructions.

APPLICATION

(Always test the concrete surface for desired results and suitability) Temperature of concrete and ambient temperature should be between 40°F and 100°F.

New (freshly placed) concrete: Apply a single coat with low pressure sprayer (see below listed coverage rate). Treated surface must stay wet for 15 minutes following spraying. Porous areas may require reapplication in 15 minute treatment period. Remove any remaining product after 15 minutes with rinsing, squeegee, or floor scrubber. Allow to dry. Any dry powder residue must be removed.

Following cure of concrete, construction dirt may be removed with floor scrubber cleaning pads that will enhance the sheen of floor.

Old (cured) concrete: Following surface preparation, the surface must receive water evenly. Test by wetting evenly with light spray. Hot and/or dry weather may require prewetting a floor and allowing any puddles to evaporate. Apply a single coat of **LD 1800** with low pressure sprayer, soft bristle broom, mop, or squeegee. (see below listed coverage rate). Treated surface must stay wet for 15 minutes following spraying. Porous areas may require reapplication in 15 minute treatment period. Remove any remaining product after 15 minutes with rinsing, squeegee, or floor scrubber. Allow to dry. Any dry powder residue must be removed.

To enhance the sheen follow with dry buffing with floor rotational machine and black, red, or white pads.