

K A U F M A N

PRODUCT
INFORMATION

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Silicure

Description

Silicure is a clear, ready-to-use, sprayable, VOC compliant concrete curing aid, hardener, and dustproofing agent. Silicure is nonflammable and odorless, making it ideal for interior use. **Silicure meets the moisture retention properties of ASTM C-309, when used on hard troweled concrete.** Silicure will both cure and penetrate to harden freshly placed concrete in one simple step. Silicure may also be used on aged concrete to reduce or eliminate dusting.

Silicure leaves no residue on the concrete surface and does not prevent adhesion of subsequent coatings or floor treatments. Silicure is not dependent on breaking down or dissipating, prior to application of subsequent flooring systems.

Silicure will not turn yellow from UV radiation. A red fugitive dye is available and can be added for ease in application.

Uses

Silicure is designed to be used as a curing agent, densifier, and hardener on freshly placed concrete that is to receive subsequent flooring materials. In addition, Silicure may be used on aged concrete to reduce and/or eliminate dusting and provide an extended life to the concrete slab. Silicure is specifically recommended for application to concrete surfaces where a hard, abrasion resistant, light to moderately heavy-duty surface is required. Ideal for use on basements, sidewalks, driveways, floor slabs, and columns.

Compliances

VOC Compliant, including the EPA, National AIM, LADCO, OTC, CARB, and SCAQMD

ASTM C-309 Moisture Retention Requirements, when used on hard-troweled concrete.

USDA Accepted

May contribute to LEED credits.

VOC Content

0 grams/liter

Packaging

5 gallon pail
55 gallon drum

Directions

Surface Preparation After finishing operations and disappearance of visible surface water; enter when the surface will bear the weight of workers without damage. Apply Silicure for a stone-like finish cure. For application to recently placed concrete that has not been membrane cured, clean surface and apply. Silicure is not meant to be applied over a membrane-cured surface.

Application

Silicure may be applied by brush, soft-bristled broom, or sprayer. One coat produces a light duty surface. Service wearability increases proportionally with each additional coat. Allow each coat to dry thoroughly before application of succeeding coat. Always apply so as to form a continuous uniform film that is free of puddles. Protect adjacent metal, glass, wood, paint, and brick from contact with Silicure. If accidentally applied to these surfaces, remove by washing with clean water immediately. Allow at least a 7-day interval before applying tile or floor adhesives over Silicure. Allow an overnight dry before traffic is permitted. Clean equipment with water immediately after use.

Coverage Rate

Coverage is influenced by surface conditions and porosity. Coverage rates listed below are ft²/gallon.

Area	Rough Finish	Normal Finish	Hard Finish
Freshly placed concrete	300	400	500
Recently placed concrete	200	300	400
Aged concrete	150	200	250
Aged Terrazzo		500	
Vertical surfaces	200	300	
Succeeding coats			

Reduce coverage rates from above for each succeeding coat.

Note

Silicure is also available in a concentrated version, packaged in 5 gallon pails. Simply mix 10 gallons of Silicure Concentrate with 45 gallons of clean, potable water in a drum. After thoroughly stirring, apply as described for regular Silicure.

Precautions

Protect Silicure from freezing. If it does freeze, allow to thaw. Stir or agitate uniformly before using. Do not apply if the temperature is less than 40oF. Prevent Silicure from into contact with glass, brick, aluminum, painted surfaces, or other glazed surfaces. Not recommended over colored concrete surfaces. Do not over apply or leave puddles, as this will cause the formation of white crystals on the concrete. If this occurs, stop the application and flush off with water immediately. Mechanical abrasion is the only way to remove the crystals once dried. *Read Safety Data Sheet before using.*

Technical Information

Test results were achieved under laboratory conditions. Statistical variations will occur based upon mixing methods, temperature & humidity, test methodology, site conditions, curing conditions, application methods, and equipment.

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