

K A U F M A N

PRODUCT
INFORMATION

KAUFMAN
PRODUCTS
INC.

3811 CURTIS
AVENUE

BALTIMORE,
MARYLAND
21226-1131

410-354-8600
800-637-6372
www.kaufman
products.net

SILICURE

Description

Silicure is a clear, water-soluble, sprayable, inorganic, sodium silicate based compound, designed for application to fresh concrete surfaces. It helps cure, harden, and dust-proof both interior and exterior concrete. Silicure is ready for use, does not require thinning, and is nonflammable and odorless. After application, a new hard mineral coating is formed in situations when the inorganic silicates in Silicure react with the free lime and calcium carbonate present in concrete. This solution fills and helps seal surface pores and capillaries.

Because Silicure does not contain any resins, waxes or other film formers, it will not interfere with subsequent applications of adhesives, liquid hardeners, or other surface treatments. Silicure is not dependent on breaking down or dissipating. A red fugitive dye is available and can be added for ease in application.

Uses

Silicure is specifically recommended for application to concrete surfaces where a hard, abrasion resistant, light to moderately, heavy-duty surface is required. When applied to fresh concrete, Silicure restricts bleeding and evaporative loss of hydration water and guarantees a superior hardening cure and dust proofing finish. On newly cured bare concrete, Silicure deposits a case hardened, protective dust proofing finish. On aged concrete, it provides a new, hardwearing dust proofed surface on sound substrates.

Test Data

ASTM C-309
Curing Efficiency tested according to ASTM
C- 156

Coverage Rate 200 ft²/gal.

Average Moisture Loss 1.55 kg/M²

Directions

Surface Preparation After finishing operations and disappearance of visible surface water; enter when the surface will bear the weight of workmen 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.

Packaging

208.15 Liters (55 gallon steel drum)
18.93 Liters (5 gallon steel pail)

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LIMITED WARRANTY We warrant our products to be of good quality and will replace material proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement, Kaufman Products, Inc makes no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products, and Kaufman Products, Inc shall have no other liability with respect hereto. User shall determine the suitability of the product or the intended use and assume all risks and liability in connection thereto. Our salesmen, distributors and their salesmen have no authority to change the printed recommendations concerning the use of our products.

VOC

0 g/liter

Note

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

Precaution

Protect Silicure from freezing. If it does freeze, allow to thaw. Stir or agitate uniformly before using. Not recommended over colored concrete surfaces. Should white crystals start to form, stop application and flush off with water. Read Material Safety Data before using.

For more complete instructions, please refer to "*Recommended Field Procedures for Curing & Sealing Compounds.*"