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# DAY-CHEM SIL-CURE™ (J-13)

CHEMICAL HARDENER FOR CONCRETE SURFACES V.O.C. COMPLIANT

### PRODUCT DESCRIPTION

Day-Chem Sil-Cure is a ready-to-use, water based solution of sodium orthosilicate.

### PURPOSE

Ready to use for hardening and dustproofing interior and exterior, horizontal and vertical surfaces of both freshly finished and older concrete. Can also be used to assist in curing, especially prior to an application of Sure-Hard (J-17). If an ACI 308 method of curing is desired or required, use water, sheet materials or a membrane forming curing compound that will require removal prior to the applications of the J-17 or any other floor finish. Day-Chem Sil-Cure will not discolor and does not produce objectionable odors. It reacts with the lime in concrete to provide a chemically hardened surface.

### APPLICATION

Apply only when temperatures are above 40°F(4°C), when concrete surfaces can no longer be marred and when all free water has disappeared. Apply with low pressure spray, soft bristle broom, brush or squeegee. On old concrete floors, clean and restore surface as necessary. Remove all oil and grease, paint and coatings to assure penetration and hardening. For maximum performance, apply to a completely dry surface approximately 24 hours after cleaning. For optimum hardening, apply two coats.

### DRYING TIME

Approximately 1 hr. at 70°F (21°C) Allow to dry 24 hrs. before opening to heavy traffic.

### APPROXIMATE COVERAGE:

	ft <sup>2</sup> /Gallon	m <sup>2</sup> /Liter
Broom Finish	300 – 400	7.4 – 9.8
Trowel Finish*	500 – 600	12 – 14.8
Vertical Surfaces	400 – 500	9.8 – 12
Old Surfaces	200 – 300	5 – 7.4

Texture and absorption characteristics of the surface will dictate final coverage rates.

\*All surfaces to receive resilient tile mastic adhesive should be treated at the Trowel Finish coverage rate. Heavier rates of application may require scrubbing to remove excess material.

### CLEAN UP

Tools and equipment use clean, fresh water. After the product dries, Dayton Superior Citrus Peel (J-48) or organic solvents such as xylene may be necessary to remove the product.

### WASTE DISPOSAL

Dispose of waste material and empty packaging in accordance with all Federal, State and Local requirements. Refer to the product's MSDS for further information.

### PACKAGING

ITEM #	Package	Size	
		Gals	Liter
69025	Pails	5	18.9
39024	Drums	55	208

### STORAGE

Keep from freezing. Store in heated area during cold weather. Shelf life is one year.

### LIMITATIONS

Not for use on colored concrete surfaces. Will stain glass, metal and other trim. Clean immediately with water. For optimum chemical hardening, apply two coats. For enhanced abrasion resistance and protection, use Dayton Superior Sure Hard (J-17). For maximum abrasion resistance use one of the Dayton Superior Shake-On Floor Hardeners. Remove excess material and puddles from surface after application is complete.

### PRECAUTIONS

Use with adequate ventilation. Keep out of the reach of children. Floor is slippery until dry. Do not take internally. In case of ingestion, CALL A PHYSICIAN immediately. DO NOT induce vomiting. If splashed in the eyes, flush thoroughly with clean water for a minimum of 15 minutes. CALL A PHYSICIAN immediately. May cause irritation to the skin. If brought into contact with the skin, wash thoroughly with soap and water. Reseal container after each use. Wear protective clothing, gloves, and goggles. Read MSDS before using product.

Refer to [www.daytonsuperior.com](http://www.daytonsuperior.com) for latest Technical Data Sheet and MSDS  
7777 Washington Village Dr., Suite 130, Dayton OH 45459  
Customer Service: (888) 977-9600  
Technical Assistance: (866) 329-8724

# DAY-CHEM SIL-CURE™ (J-13)

## MANUFACTURER

Dayton Superior Corporation  
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Dayton, OH 45459  
Customer Service: 877-977-9600  
Technical Services: 866-329-8724  
Website: [www.daytonsuperior.com](http://www.daytonsuperior.com)

## WARRANTY

Dayton Superior Corporation ("Dayton") warrants for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Dayton, the product is free of manufacturing defects and conforms to Dayton's product properties in force on the date of acceptance by Dayton of the order. Dayton shall only be liable under this warranty if the product has been applied, used, and stored in accordance with Dayton's instructions, especially surface preparation and installation, in force on the date of acceptance by Dayton of the order. The purchaser must examine the product when received and promptly notify Dayton in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Dayton, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Dayton officer is authorized to modify this warranty. The information in this data sheet supersedes all other sales information received by the customer during the sales process. THE FOREGOING - WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

## LIMITATION OF LIABILITY

Dayton shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if Dayton could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

