

## Technical Data

## 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). 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 INSTRUCTIONS:

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 RATES:

	Sq. Feet per Gallon	Sq. Meters per 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.

### PACKAGING:

5 gal. pails (18.9L) and 55 gal. drums (208L).

### 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.

### 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.

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

### WARNING:

- 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.

### TECHNICAL SERVICES:

Contact the technical staff for assistance at:

1-866-329-8724 • 1-913-233-1750 • FAX: 1-913-279-4806  
daytonsuperiorchemical.com

### WARRANTY

Warranty, Warranty Disclaimer and Exclusive Remedy – Dayton Superior Corporation 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 ("the Company"), the product is free of manufacturing defects and conforms to ("the Company's") published specifications in force on the date of acceptance by ("the Company") of the order. ("the Company") shall only be liable under this warranty if the material has been applied, used, and stored in accordance with ("the Company") instructions in the product's technical data sheet.

The purchaser must examine the product when received and promptly notify ("the Company") in writing of any non-conformity before the product is used, or no later than 30 days after such non-conformity is first discovered. If ("the Company"), 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 ("Company") officer is authorized to modify this warranty. The sales information on the ("the Company's") website and received by the customer during the sales process does not supersede this warranty and the specifications of the product in force on the date of sale. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, 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.

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