

## PURPOSE

CURE & HARD is a combination concrete dustproof and hardener. CURE & HARD reacts with the "free" lime in newly placed or existing, interior or exterior, concrete to provide a hard, dustproof and more abrasion resistant surface.

## DESCRIPTION

CURE & HARD is a sodium silicate that assists in the curing, hardening and dustproofing of concrete. It contains a fugitive dye for visual inspection.

## PACKAGING

**Sizes:** CURE & HARD is packaged in 275 gallon (1040.9 L) totes, 55 gallon (208.2 L) drums and 5 gallon (18.9 L) pails.

## STANDARDS

CURE & HARD meets V.O.C. emission requirements for compliance for sealers (EPA limit 400 g/L).

CURE & HARD meets V.O.C. compliance for the State of California, Regulation 8, Organic Compounds, Rule 3, Architectural Coatings (CA limit 350 g/L).

## APPLICATION

**Storage:** Containers should be tightly closed and properly stored. Prevent accumulation of water, dirt or other residue on covers. Protect from freezing.

**Preparation:** Properly mixed CURE & HARD should be applied to newly placed concrete as soon as the surface water has dissipated and the concrete has been finished. CURE & HARD can also be applied as a hardener approximately 28 days after concrete placement.

**Methods:** Do not mix with other chemicals or alter in any way. Do not pour unused chemical back into open containers.

Spray equipment should be thoroughly clean and dry prior to application.

**Coverage:** Spray application with industrial pump-up sprayers is recommended. Apply material uniformly, avoiding overapplication and "puddling."

Broom Finish	300-400 ft <sup>2</sup> /gal	(7.4-9.8 m <sup>2</sup> /L)
Trowel Finish*	500-600 ft <sup>2</sup> /gal	(12.0-14.8 m <sup>2</sup> /L)
Vertical Concrete	400-500 ft <sup>2</sup> /gal	(9.8-12.0 m <sup>2</sup> /L)
Old Concrete	200-300 ft <sup>2</sup> /gal	(5.0-7.4 m <sup>2</sup> /L)

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

Concrete surface texture and absorption characteristics will dictate final coverage rates.

Concrete surfaces treated with CURE & HARD can accept subsequent coatings. Consult with coating manufacturer for proper installation.

Unusual applications or conditions may require the technical assistance of a Symons representative.

## DRY TIME

CURE & HARD dries in approximately 1 hour at 70°F (21°C). Allow a minimum of 24 hours before opening area to traffic.

## CLEAN-UP

If tools and equipment are still wet, then rinse thoroughly with water.

If tools and equipment are dry, then organic solvents, like xylene, may be necessary.

## LIMITATIONS

Minimum concrete surface temperature of 40°F (4°C) required for application.

If white residue starts to appear on the surface during drying, immediately scrub with hot water and rinse clean.

Do not use over colored or white concrete unless a test area is completed.

Protect aluminum and glass from overspray and exposure. Product will etch these materials.

Do not use this product with metallic aggregates, they will discolor, oxidize and/or rust.

Product is water-based. Protect from freezing.

## SHELF LIFE

Shelf life of CURE & HARD in unopened containers is approximately one year.

## PRECAUTIONS

It is mandatory to take the following precautions to protect workers and the public:

1. KEEP OUT OF THE REACH OF CHILDREN.
2. Avoid contact with skin. Protective clothing is recommended. Contact areas should be thoroughly washed with soap and water.
3. Avoid contact with eyes. Protective goggles are recommended in case of splashing. Flush eyes with water if contact occurs.
4. Avoid ingestion of material. If ingestion occurs, contact a poison center or physician.

Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

#### **WARRANTY**

Symons 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 Symons, the product is free of manufacturing defects and conforms to Symons' published specifications in force on the date of acceptance by Symons of the order. Symons shall only be liable under this warranty if the material has been applied, used, and stored in accordance with Symons instructions in this technical data sheet.

The purchaser must examine the product when received and promptly notify Symons in writing of any nonconformity before the product is used, or no later than 30 days after such nonconformity is first discovered. If Symons, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the nonconforming product, refund the purchase price or issue a credit. This is the sole and exclusive remedy for breach of this warranty.

Only a Symons officer is authorized to modify this warranty. The sales information on the Symons 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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Symons 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 injuries), or economic losses of any kind; or for any special, incidental, indirect, consequential, special, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, this Agreement, even if Symons 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 agreement, 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.

#### **MANUFACTURER**

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