



## Curing and Sealing Agent

### PRODUCT DESCRIPTION

Gem Cure and Seal 1315-350 VOC is a solvent based, clear acrylate co-polymer curing compound, dust proofer and sealer all in one. Gem Cure and Seal 1315-350 VOC minimizes moisture loss from evaporation in newly placed concrete to provide maximum strength, hardness and protection. Reducing water evaporation loss will result in a stronger, denser, more durable concrete with higher compressive strength, and better crack and freeze-thaw resistance.

### Uses

- Curing and sealing compound for freshly placed concrete.
- Sealer for existing concrete.
- Dust proofer.

### PACKAGING

BRICKFORM Gem Cure and Seal is available in one-gallon (3.785 L) and five-gallon (18.92 L) cans.

### COVERAGE

BRICKFORM Gem Cure and Seal covers approximately 250 to 300 square feet per gallon ( .6.13 - 7.36 m<sup>2</sup> / L) depending upon porosity of the surface.

### STORAGE

Store in a safe place. Keep containers tightly sealed. Shelf life is approximately 12 months.

### PRECAUTIONS

Gem Cure and Seal 1315-350 VOC should be applied when the air temperature is within 45°F and 85°F, applying it at temperatures above 85°F will cause the solvent to evaporate too fast not allowing the film to form properly possibly creating bubbles in the finish, blushing (turning white), flaking off and adhesion failure at a later time, at temperatures below 45°F the film it may not cure properly.

Direct sunlight and windy conditions during application will also affect how the cure n seal dries. If the upper layer of the cure n seal dries too fast it will form a skin that will not allow the solvent on the lower part of the film to escape properly, the solvent then may force its way up and out causing bubbles and a whitish film, this may not be immediately apparent and could become visible from 20 minutes after application to a few hours. This may also happen if the cure n seal is applied too thick thus not allowing the solvent to properly escape.

Application of Gem Cure and Seal 1315-350 VOC during the warm months should be done early in the morning or late in the evening during the cooler part of the day.

### Features

- Meet ASTM C-1315, Type 1, Class A
- Meet ASTM C-309
- Meet AASHTO M 148
- Water repellent.
- Non-yellowing
- Allows vapor passage.
- Dries water Clear
- Penetrating.
- Fast drying.
- Enhances color of decorative concrete
- Reduces alkali/efflorescence attack.
- Resistant to chemicals.
- Prolongs life of surface.
- Maintains surface cleanliness.
- Ease of application - no mixing.
- Prevents mildew and fungi.

### CAUTIONS

Contains Aromatic Hydrocarbons. KEEP OUT OF REACH OF CHILDREN. Before using or handling, read the Material Safety Data Sheet and Warranty. DO NOT TAKE INTERNALLY. Do not breathe vapors or mist. Use only with adequate ventilation and use a respirator when levels are above applicable limits. Avoid contact with skin and eyes. Close container after each use. Use good hygiene when handling this product and wash and bathe after each use. Be sure to wash clothing after each use.

### WARNING

IT IS ILLEGAL TO USE THIS PRODUCT IN THE STATE OF CALIFORNIA. OTHER STATES MAY ALSO HAVE SIMILAR RESTRICTIONS. CHECK WITH YOUR LOCAL REGULATORY AGENCY. Not recommended for dense surfaces. Apply in thin coats, only on surfaces textured for slip resistance. If applied too heavily or applied to dense surfaces, the sealer may become slippery, especially in areas where water accumulates. Heavy application may also result in bubbling and coating imperfections. If in doubt about penetrability, test the surface by sprinkling with water. If water beads up on the surface, additional cleaning and testing must be done. Do not use where hydrostatic pressure is present.

### PREPARATION

If applying over existing concrete, BRICKFORM strongly recommends representative jobsite samples. Individuals who will be performing the work should test different sections of the concrete to determine suitability, coverage, and final appearance. The application area must be completely clean and dry to the touch. Pressure washing and power scrubbing may be necessary. The recommended surface profile for BRICKFORM sealers is a CSP1 or CSP2. Surface preparation guidelines are written by ICRI and outlined in Guideline No. 03732 Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays. Remove all efflorescence, oil, dirt, wax, old paints, sealers, and curing compounds. RINSE THOROUGHLY. Allow the surface to dry at least 24 hours. Soaps and detergents should never be used for cleaning. Dried residue on the surface will prevent the sealer from bonding. Acid washing is NOT

recommended. If acid is used, a representative area must be tested. Soak the entire surface with water before applying the acid mixture. When the fizzing stops, rinse with clean water. After 10 or 15 minutes, the surface must then be flushed with clean water and neutralized with a pH neutralizer such as ammonia, baking soda, or T.S.P. Repeat rinsing and neutralizing. Acid residue will prevent the sealer from penetrating. Allow the surface to dry for at least 24 hours prior to application. NOT RECOMMENDED for pre-sealed or dense surfaces, such as glazed tile, marble or granite, dense brick, dense slate, or terrazzo. If in doubt, test the surface by sprinkling with water. If water beads up on the surface, additional cleaning and testing must be done. Do not use where hydrostatic pressure is present.

#### **APPLICATION**

Gem Cure and Seal 1315-350 VOC should be applied to fresh concrete immediately after final finish and all surface water has completely evaporated, the surface can be damp but not wet or with puddles. Apply with a quality concrete cure n seal pump sprayer as soon as possible without marring the finish. Apply uniformly at a rate of 250-300 square feet per gallon, avoid heavy spray, puddling and over saturation. If a second coat is desired it can be applied after the first coat is tack free.

#### **Integral Color Concrete**

It is imperative to wait until all the water has evaporated from the concrete surface, even if it delays the curing for a short time, applying cure and seal over integrally colored concrete with excessive moisture at the surface may create discoloration, splotchy areas, blushing and uneven color.

#### **MAINTENANCE**

The sealed surface should be inspected periodically for areas of thin or traffic-worn sealer. Brickform recommends the re-application of Gem Cure & Seal; Poly-Seal or Gem-Seal may also be used once the concrete has fully cured after 28 days. Reapply as needed, according to the appropriate Technical Information Sheet. If traces of efflorescence are present, this should first be eliminated with a gentle cleaner such as BRICKFORM E-Etch™, according to the BRICKFORM E-Etch Technical Information Sheet.

#### **WARRANTY**

This product is not intended for public use and is intended for use by licensed contractors and installers, experienced and trained in the use of these products. It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or can be made either as to the effects or results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.

Gem Cure and Seal 1315-350 VOC  
Solvent Base -25% solids

Item Number: GCS-35025