

Semi-Gloss Sealer – 400 VOC

GemKote™ 400 is a semi-gloss, UV-resistant, lacquer-base, crystal-clear sealer. A light coating of GemKote™ 400 will protect and enhance colored and textured concrete. Use GemKote™ 400 on porous concrete and masonry to form a shield against stains and mildew.

Features –

Non-Yellowing, Crystal Clear – Dries to a Wet-Look Finish – Interior/Exterior Use – Enhances Color

DESCRIPTION

GemKote™ 400 is a premium-quality, non-yellowing, super-tough acrylic film that is easy to clean and maintain. GemKote™ 400 protects with a high-gloss shine that penetrates the surface to retard efflorescence and resist oil, grease and food stains. GemKote™ 400 virtually eliminates concrete dusting and is tough enough to withstand the extremes of areas subject to freeze-thaw.

USES

GemKote™ 400 can be used on interior or exterior masonry and concrete-type surfaces. GemKote™ 400 can be used as a base-coat, for interior applications where a compatible, commercial floor wax is planned as part of a maintenance program. Use on colored or uncolored, stamped or exposed aggregate concrete, porous brick, natural and manufactured stone, stucco, slate, unglazed tile and flagstone.

TECHNICAL DATA

Moisture Retention, Test ASTM C309

Super Seal 2000 (at 200 ft² per gallon), kg/m²..... 0.21
Test requirement, not to exceed, kg/m²..... 0.55

Moisture Retention, Test ASTM C309

Super Seal™ 2000 (at 300 ft² per gallon), kg/m²..... 0.32
Test requirement, not to exceed, kg/m².....Less than 0.4

Gasoline Resistance

15-minute exposure (ponding).....Slight dulling

Tg°C..... 50

Tukon Hardness

30 minutes at 180°F 9.3
30 minutes at 300°F..... 13.7

Pencil Hardness

30 minutes at 180°F..... F
30 minutes at 300°F..... H

Flexibility, 1/8, 1/4, 1/2 inch mandrels* 6,5,4

Spray conditions

Viscosity, No. 2 Zhan cup, sec.....19

Abrasion resistance

(mg lost, CS-17 wheel, 1000 g load, 1000 cycles)..... 160

*The degree of cracking at the bend over each mandrel is rated on a 0 (no failure) to 10 (complete flaking) scale.

PACKAGING

GemKote™ 400 is available in one-gallon (3.89 L), five-gallon (18.925 L) and fifty-five gallon (208.175 L) containers.

COVERAGE

GemKote™ 400 will cover approximately 150 to 200 square feet per gallon depending upon porosity of the surface.

STORAGE

Store in a safe place. Keep containers tightly sealed. DO NOT allow product to freeze. Material that is frozen CANNOT be used when thawed. Shelf life is approximately 12 months.

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

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. 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 possible.

PREPARATION OF CONCRETE

New concrete should be cured at least 28 days, prior to application. 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 CCI sealers is a CSP1. Remove all efflorescence, oil, dirt, wax, old paints, sealer, 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 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 possible.

APPLICATION

Always test a small area of surface to verify protection and appearance. Use GemKote™ 400 full strength. DO NOT THIN. Apply from 1-2 light, even coats with a low-pressure airless sprayer or short napped roller. CAUTION: if using the roller to apply sealer, be careful to apply in thin coats, maintain a wet edge, and do not back-brush. Allow 1-3 hours between coats or until the surface is dry to the touch. Apply in temperatures between 12.8°C to 26.7°C (55°F and 80°F). Avoid using in direct sunlight, especially on hot, windy days. Apply during the cooler part of the day when the surface is shaded. Do not apply on rainy or foggy days. Excess moisture will not allow the sealer to dry properly. Use only in well ventilated areas. It is recommended that foot traffic remain off the finished sealed surface for 24 hours. For heavy traffic, allow 72 hours for curing. HELPFUL HINT: Use toluene or lacquer thinner for easy cleanup.

MAINTENANCE

The sealed surface should be inspected periodically for areas of thin or traffic-worn sealer and reapplied as needed. If traces of efflorescence are present, this should first be eliminated with a gentle cleaner. For maximum life expectancy, routinely sweep and wash floors with appropriate cleaners and detergents. All chemicals or abrasive grit should be removed as soon as possible.

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.

PLAN SPECIFICATION

GemKote™ 400 Suggested Short Form Specification:

All concrete flatwork designated as being sealed in the plans and specifications shall be sealed with 1-2 light even coats of GemKote™ 400, at the rate of approximately 250 to 300 square feet per gallon (6.13 – 7.36 m²/L), manufactured by CCI 800-443-2871, Layton, UT. GemKote™ 400 shall be applied in accordance with the GemKote™ 400 Technical Information Sheet.

ORDER SPECIFICATION

| | | |
|-------------------------------------|---------------------------------------|-------------------|
| Product: GemKote™ 400 | | |
| Shipping Weight: 8lbs (3.63 kg) | Container Size: 1-Gallon (3.89 L) | Item No: S-400-1 |
| Shipping Weight: 40 lbs (18 kg) | Container Size: 5-Gallon (18.925 L) | Item No: S-400-5 |
| Shipping Weight: 450 lbs (202.5 kg) | Container Size: 55-Gallon (208.175 L) | Item No: S-400-55 |

"Concrete Coatings Inc., warrants its products to be free of manufacturing defects and that they will meet Concrete Coatings Inc. current published physical properties when applied in accordance with Concrete Coatings Inc. written directions and tested in accordance with ACI, ASTM and Concrete Coatings Inc. Standards. There are no other warranties by Concrete Coatings Inc. of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Concrete Coatings Inc. shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, from any other cause whatsoever. Concrete Coatings Inc. will not be responsible for use of this product in a manner to infringe on any patent held by others. User assumes all liability and risk associated with use, selection, application and warranty of product. Concrete Coatings Inc. makes no representation as to the suitability of product for any application and/or damages of any kind directly or indirectly associated with its selection or application."

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