



# ChemMasters®

SPECIALTY CONSTRUCTION PRODUCTS

## Stamped & Decorative Concrete Sealer 400A

Slow Evaporating, Bubble Resistant, Low-VOC, High Gloss "Wet Look" Cure & Seal for Stamped & Exposed Aggregate Concrete

### P R O D U C T      D A T A

#### DESCRIPTION

**Stamped & Decorative Concrete Sealer 400A** is a film forming sealer specifically manufactured to provide 200 to 300% more working time on stamped concrete, exposed aggregate, and other forms of decorative concrete than traditional low-VOC sealers. **Stamped & Decorative Concrete Sealer 400A** will not produce bubbles under normal conditions unlike sealers formulated with common, fast evaporating, low-VOC solvents. It is formulated with a proprietary resin that develops high gloss and provides superior chemical resistance. **Stamped & Decorative Concrete Sealer 400A's** film will not yellow under any UV conditions, virtually eliminates cobweb formation during application, and is extremely durable. **Stamped & Decorative Concrete Sealer 400A** is a solvent-based product meeting low-VOC requirements < 350 g/L.

#### USES

- Cure, seal and protect exterior, horizontal stamped & exposed aggregate finish concrete.
- Protect and amplify the beauty of stamped concrete, exposed aggregate, terrazzo and man-made or natural stone
- Deepens the color of stamped concrete while shielding it from water, freeze thaw damage, dirt and most hydrocarbon chemicals
- Keeps surfaces from dusting and chalking
- Makes surfaces easier to clean

#### ADVANTAGES

- 200 to 300% increased working time vs traditional low-VOC products, easier to apply, forms fewer "cobwebs" than other low-VOC products
- Develops the deep, rich, "wet look" desired for stamped and decorative concrete
- Non-bubbling formula will not produce bubbles as fast evaporating solvent based low-VOC products are known to produce.
- High level of resistance to aliphatic solvents, acids, alkalis, gasoline, oils and grease
- Excellent penetration, adhesion, and durability
- Superior resistance to ultraviolet light, freeze/thaw cycling and acid rain
- High gloss for improved appearance and reduced maintenance costs
- Easy to apply and re-coat without extensive surface preparation; dries quickly, dustproofs as it seals

#### Packaging Product Number

5-Gallon Pails (18.9L) Pails	36 per pallet	F1425.05
55-Gallon Drums (208.2L)	4 per pallet	F1425.55

#### TECHNICAL DATA

- Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59 and other lower VOC requirements at <400 g/L.

#### Drying Time @ 70 °F(21°C) with 50% R.H. Temperature and humidity effect dry time

Condition	Hours
Dry	2
Re-coat	1
Foot traffic	4
Heavy traffic (vehicular)	24

#### Estimating Guide

First Coat	300 to 350 ft <sup>2</sup> /gal (7 to 8 m <sup>2</sup> /L)
Optional second coat	350 to 400 ft <sup>2</sup> /gal (8 to 14.7 m <sup>2</sup> /L)

#### DIRECTIONS

**Mixing:** Do not dilute. **Stamped & Decorative Concrete Sealer 400A** is packaged ready to use. Stir or agitate before using.

**For Decorative Substrates** at least 90% of release must be removed from stamped concrete surfaces in order for sealers to adhere.

**For Exposed Aggregate** the surface must be thoroughly washed to remove all traces of surface retarder. Do not apply to frozen or frosted surfaces.



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**Curing: Stamped & Decorative Concrete Sealer 400A** has been specially formulated to meet the unique curing requirements of stamped concrete and exposed aggregate concrete when applied at 300 ft<sup>2</sup>/gal. It is not recommended for use as a cure on broom finished or smooth trowel finished surfaces.

**Sealing: Surface Preparation:** Substrates must be a minimum of 28 days old and fully cured. Surface and ambient temperatures must be a minimum of 40°F (4°C). Do not apply to frozen or frosted surfaces. **Stamped & Decorative Concrete Sealer 400A** should be conditioned to a minimum of 50°F (10°C) prior to application. Surface must be clean and free from dirt, dust, laitance, oil, grease, paints, curing agents, tilt up bond breakers, or other contaminants that would prevent proper adhesion. Rinse thoroughly and allow the substrate to dry completely before applying **Stamped & Decorative Concrete Sealer 400A**.

**Application: Spray Apply** with a low pressure, solvent resistant, airless, sprayer equipped with a fan nozzle orifice of 0.030 to 0.035" at 1 g.p.m. The optimum spray pattern is an 8" to 12" fan. Hold sprayer tip 8" to 12" from the surface of the concrete. Apply uniformly leaving no pinholes or gaps. Do not allow the material to puddle.

**Roller Apply:** Use a short nap (1/4" max) solvent resistant roller. Apply a continuous film leaving no pinholes or gaps.

Unsealed concrete may require optional second coat. Apply second coat when surface is tack free, typically about 1 hour at 70°F (21°C) with 50% relative humidity. Lightly acid etch unsealed smooth trowel finished concrete before sealing.

Do not over apply, less is better. Do not apply in excess of 350 ft<sup>2</sup>/gal per coat. Over application will reduce the breathability of the coating system and may result in delaminating or discoloring of the sealer system when exposed to high water vapor pressures.

**\*\*\*For best results apply when ambient air and surface temperatures are above 40°F (4°C) and below 90°F (32°C) avoid windy days and direct sunlight. Condition material to 50°F (10°C) before use. \*\*\*\***

#### Cleanup

Clean tools and equipment with **Polyseal Solvent, Xylene,** or toluene.

#### Storage

Store tightly closed containers in dry area away from direct sunlight and sources of heat. Shelf life of properly stored material is one year from date of manufacture.

#### Limitations

- For use outdoors only.
- **Stamped & Decorative Concrete Sealer 400A** is not to be used as a curing compound or as a bond breaker for tilt up construction.
- **Stamped & Decorative Concrete Sealer 400A** is not recommended for primary or secondary containment areas or for use under resinous coatings.
- Do not use on surfaces scheduled to receive concrete overlays, toppings or thin set mortars.
- Do not apply in the presence of foodstuffs.
- During times of heavy precipitation or excess moisture in the substrate, do not apply **Stamped & Decorative Concrete Sealer 400A**. **Stamped & Decorative Concrete Sealer 400A** may blush or develop a milky appearance, which is permanent if applied to a substrate containing a great deal of moisture. Allow pressure-washed concrete to dry out overnight before applying **Stamped & Decorative Concrete Sealer 400A**.
- **Stamped & Decorative Concrete Sealer 400A** will darken or highlight the subtle color variations naturally present in concrete. When the difference in shading caused by absorptive deviation is objectionable, consult ChemMasters technical staff prior to sealing for recommendations.
- Joints to receive joint sealant should be masked or taped off prior to application or **Stamped & Decorative Concrete Sealer 400A**.

#### Precautions

**Danger.** Flammable Liquid and Vapor. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects. **Precautionary Statements:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond the container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Keep out of reach of children. All label precautions and the Safety Data Sheet must be fully understood before using this product.

#### This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT PRODUCT & SAFETY DATA SHEETS AND PACKAGE LABEL FOR THIS PRODUCT. We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.