



# CRYSTAL CLEAR 1000

Revised May 2017

## TECHNICAL DATA SHEET

### PURE ACRYLIC HIGH GLOSS CONCRETE SEALER



#### DESCRIPTION

**Marbelite Crystal Clear 1000** is a high gloss, fast drying, non-yellowing, pure acrylic concrete lacquer style sealer designed for decorative concrete. **Crystal Clear 1000** offers improved resistance to rain, the sun, freezing temperatures, stains, and other pollutants that sometimes can be hazardous to concrete. Applying **Crystal Clear 1000** to exposed aggregate will also help to eliminate loose pebbles and premature wear.

#### BENEFITS/FEATURES

- ◆ Easily applied, high sheen sealer designed specifically to meet the needs of decorative concrete surfaces.
- ◆ Excellent penetration and adhesion to clean, unsealed new or old concrete.
- ◆ Non-Yellowing tough 100% pure acrylic sealer.
- ◆ Can be applied as a reseal over previously sealed concrete surfaces previously sealed with pure acrylic sealers (test for compatibility first).

#### RECOMMENDED APPLICATIONS

Effective on applications such as...

- ◆ Smooth Trowel Concrete
- ◆ Stenciled Concrete
- ◆ Overlaid/Microtopped Concrete
- ◆ Acid Stained Concrete
- ◆ Stamped Concrete
- ◆ Exposed Aggregate Concrete
- ◆ Broom Finish Concrete
- ◆ Most other new or existing concrete surfaces where water damage resistance is required.

#### SPECIFICATIONS/ COMPLIANCES

- ◆ Dried coating is USDA accepted.

#### TECHNICAL INFORMATION

Solids/Active Content, Percentage by weight	30% +/- 1%
Dry Time—Tack Free	1 - 2 hours
Dry Time—Foot Traffic	4 - 6 hours
Dry Time—Heavy Traffic	24 - 48 hours
Re-Coat Time Window	4 - 24 hours
Application Temp	50°F - 80°F
VOC (Volatile Organic Compound) Content	Less than 700 grams/Liter
Dry Appearance	Clear and High Gloss
Coverage (*Varies, see reverse side for details)	200 sq. ft. / gallon*

Testing is accordance with procedures outlined in EPA Method 24, "Volatile Organic Content VOC of Paints and Related Coatings". The solids content was determined in accordance with ASTM D 5095 and the VOC was calculated in accordance with ASTM D 3960.



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# Crystal Clear 1000

## INSTRUCTIONS FOR USE

**SURFACE PREPARATION:** Concrete surface must be clean and free of all contaminants and water. Do not apply if rain is forecast within 24 hours. If moisture is present or if the surface is not clean and free of all contaminants, the sealer may have white spots and have premature delamination and failure.

Substrate and air temperature must be no less than 40°F and not exceed 80°F. If applied outside these limits the sealer may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing. Note that in direct sunlight, substrate temperature can exceed 150°F which can cause extreme bubbling issues.

**MIXING:** Stir well before using. Material may separate during long term storage.

**COVERAGE RATE:** *First Coat:* 200—300 ft<sup>2</sup> per gallon\*    *Optional Second Coat:* 300—350 ft<sup>2</sup> per gallon\*  
\*Coverage rates may vary depending upon surface porosity, texture, application method and prior sealer application. Excessive build up should be avoided.

**APPLICATION:** Apply using a 3/8" – 1/2" nap roller cover using long even uniform strokes at approximately 200-350 square feet per gallon depending on porosity and texture of substrate. Do not allow to Puddle! Thick or puddle areas may prevent the solvent from evaporating and may be susceptible to moisture intrusion which may cause milky white spots. Applying too thin may cause sealer to prematurely delaminate, flake or wear away. Allow sealer to dry for 24 hours for light traffic and at least 48 hours for heavy traffic. If applying two coats, wait approximately 4 – 6 hours between coats.

FOR PERSONAL PROTECTION USE GLOVES, GOGGLES, AND RESPIRATORS.

**PLEASE NOTE:** It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. When applying, do not exceed 400 ft<sup>2</sup> per gallon. Applying too thin of a coating may cause inadequate film formation or performance expectations may be limited. **DO NOT USE ON BRICK.**

## PRECAUTIONS AND LIMITATIONS

- ◆ This product will not freeze during storage, however, allow temperature to rise to 50°F prior to application.
- ◆ All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- ◆ If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- ◆ It is not recommended to apply product over carpet, tile, or other types of floor adhesives.
- ◆ This product performs best when applied at one or two medium-light coats, not one heavy coat.
- ◆ Please be aware that this product when cured, may be slippery when wet. An anti-slip additive, such as *Marbelite Slip-Grip*, can be added to reduce slip hazards.
- ◆ This product is not resistant to brake fluid, gasoline, and many similar products.
- ◆ All new concrete must be cured for at least 28 days prior to application.
- ◆ It is not recommended to thin this product. Improper thinning may cause sealer to delaminate in a short time frame.
- ◆ This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- ◆ SOLVENT VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

**CLEAN UP:** Use xylene. Dispose of containers in accordance with local and federal regulations.

**PRODUCT REMOVAL:** Dried, cured material may be removed with a commercial paint stripper or by using a diamond grinding method, sandblasting method, or similar mechanical action.

**SHELF LIFE:** Up to one year from manufacture date in its original, unopened container, stored at room temperature.

**PACKAGING:** Available in 5 gallon containers. One gallon and 55 gallon containers are available upon request.

**SPECIAL NOTES:** Always read all technical information, label, and SDS (MSDS) prior to use. This information can be found online or by calling customer service at the number below.

## LIMITATION OF LIABILITY

Marbelite International Corp, "Seller" warrants that if any goods supplied prove to be defective in workmanship or material, that Seller shall replace them or refund their purchase price. This warranty is made in lieu of any and all other warranties expressed or implied. Before application, the User shall determine the suitability of the product for its intended use and User assumes all risks and liabilities whatsoever in connection therewith. Under no circumstances shall the Seller be liable for incidental, consequential, or other damages for alleged negligence, breach of warranty, or strict liability arising out of use or handling of this product. The sole liability of Seller for any claim arising out of the use or sale of defective product shall be for the User's purchase price.

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