

# CLEAR SHIELD

PRODUCT CODE: 003-LSTSH

## HIGH GLOSS, UV RESISTANT 25% ACRYLIC COPOLYMER CONCRETE SEALER

### PRODUCT DESCRIPTION

**Clear Shield** is a high gloss, UV Resistant acrylic copolymer concrete sealer intended for all types of concrete. **Clear Shield** offers improved resistance to rain, the sun, freezing temperatures, stains, and other pollutants that sometimes can be hazardous to concrete. With substrate wetting agents and anti-foaming additives included in this formulation, **Clear Shield** provides superior adhesion to properly prepared concrete. Applying **Clear Shield** to exposed aggregate will also help to eliminate loose pebbles and premature wear. **Clear Shield** can be considered an ultimate multi-use concrete sealer. Meets ASTM Cure & Seal specs and is also an excellent Non-Yellowing protective coating for a variety of concrete uses.

### BENEFITS/FEATURES

- ◆ Can be used as a means of dustproofing most concrete surfaces.
- ◆ Provides superior resistance to the Sun's harsh ultraviolet rays for additional life of the coating.
  - ◆ Formulated at a medium viscosity allows for easy application through sprayers.
- ◆ Multi purpose protective sealer. Cure & Seal and long term Non-Yellowing protective sealer.

### RECOMMENDED APPLICATIONS

**Clear Shield** is recommended for use on Stamped Concrete, Stenciled Concrete, Acid Stained Concrete, Overlaid Concrete, Exposed Aggregate Concrete, Broom Finish Concrete, and Trowel Finish Concrete. Other uses may be acceptable.

### TECHNICAL INFORMATION

Solids.....25%	Wet Appearance.....Clear to lightly cloudy
Drying Time.....1 - 2 hours	Dry Appearance.....Clear and Medium Gloss
Re-Coat Time.....4 - 24 hours	VOC Content.....<700 g/l
Foot Traffic.....4 - 6 hours	Blush Resistance.....Good
Wheel Traffic.....24 - 48 hours	Solvent Resistance.....Minimal
Application Temp.....40°F - 85°F	Concrete Adhesion.....Excellent

\*\*\*Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

### SPECIFICATIONS/COMPLIANCES

ASTM C 309, Type 1, Class A & B     ASTM C 1315, Type 1, Class A     AASHTO Specification M-148, Type 1, Class A & B  
 DRIED COATING IS USDA ACCEPTED

### APPROXIMATE COVERAGE RATES

<u>Application Surface</u>	<u>First Coat</u>	<u>Optional Second Coat</u>
New (unsealed) concrete	250-350 ft <sup>2</sup>	350-400 ft <sup>2</sup>
Old (sealed) concrete	350-400 ft <sup>2</sup>	350-400 ft <sup>2</sup>

\*Coverage rates vary depending upon surface porosity and texture, and application method. Excessive build up should be avoided.

### SHELF LIFE

**Clear Shield** has a shelf life of up to two years in it's original, sealed, unopened container.

### PACKAGING

**Clear Shield** is packaged in 1 gallon cans, 5 gallon pails, and 55 gallon drums.



### Metropolitan Concrete Products

6581 Metro Parkway  
 Sterling Heights, MI 48312  
 Phone: (586) 264-3370

DECORATIVE SEALERS

CLEAR SHIELD

## 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 temperature must be no less than 40 degrees F and not exceed 80 degrees F. If applied outside these limits the sealer may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing.

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

**APPLICATION:** Apply using a 3/8" – 1/2" nap roller cover using long even uniform strokes at approximately 250-400 square feet per gallon depending on porosity and texture of substrate. A Chapin style solvent resistant sprayer may be used as well. 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.

**FRESHLY PLACED CONCRETE:** Horizontal surfaces must be finished and show no "sheen" from bleed water.

**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. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. If applying by spray method, extended coverage rates may be achieved, but be aware that less material will be applied and inadequate film formation or performance expectations may be limited. **DO NOT USE ON BRICK.**

## CLEAN-UP

Use Xylene. Dispose of containers in accordance with local and federal regulations.

## PRODUCT REMOVAL

Dried, cured sealer may be removed with a commercial paint stripper, such as *Citrus Strip 100* or by using a diamond grinding method, sandblasting method or similar mechanical action.

## PRECAUTIONS AND LIMITATIONS

- ▶ **Clear Shield** will not freeze during storage, however, allow temperature to rise to 50 degrees F prior to application.
- ▶ All HVAC ventilation ducts should be somehow blocked prior to application so solvents fumes are not distributed.
- ▶ Keep away from open flames. **Clear Shield** is flammable and is very susceptible to ignition.
- ▶ It is not recommended to apply **Clear Shield** over carpet, tile, and other types of floor adhesives.
- ▶ Coverage rates depend upon many conditions including application method, surface porosity, applicator, ect.
- ▶ **Clear Shield** was designed for decorative concrete and to be applied in two thin coats, not one thick coat.
- ▶ Please be aware that this product when cured may be slippery when wet.
- ▶ **Clear Shield** is not resistant to brake fluid, gasoline, and many similar products.
- ▶ It is not recommended to thin **Clear Shield**. Improper thinning may cause sealer to delaminate in a short time frame.
- ▶ **Clear Shield** may darken the surface of many new and existing concrete slabs. Test prior to use.

## SPECIAL NOTES

Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 615-323-9461.



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