

SUPER GLAZE

PRODUCT DATA SHEET



DESCRIPTION

SUPER GLAZE was formulated to protect architectural concrete such as exposed aggregate, colored, and stamped concrete. A 26% solids, non-yellowing, cure and a seal made from pure 100% acrylic. It has been tested and approved by the Minnesota (DOT) Department of Transportation for the curing of decorative concrete surfaces. Available in a gloss and matte finish.

USES:

SUPER GLAZE suitable for interior or exterior use on new and existing surfaces. Ideal for exposed aggregate and colored concrete surfaces, paving block, patio stone, driveways, and garage floors:

- Architectural concrete and cementitious surfaces
- Exposed aggregate
- Colored concrete
- Stamped concrete
- Stone and slate
- Concrete pavers and block
- Sidewalks and walkways
- Decorative concrete overlays

BENEFITS:

- Meets the VOC regulatory compliance for AIM
- Superior penetration and adhesion
- Resists aggregate pop out and surface abrasion
- Color enhancing properties

APPLICATION PROCEDURES

PREPARATION:

Surfaces must be clean, dry, and free of form oils, grease, dust, frost, and curing compounds (particularly wax-based). Large areas may be blown dust free by compressed air, washed, and let dry. Surface water must be allowed to completely dissipate before applying.

EXPOSED AGGREGATE APPLICATION PREPARATION:

When applying to exposed aggregate as a curing compound, the surface should be washed with a mild acid solution to remove the thin film of cement dust, then flushed with water and allowed to dry before applying SUPER GLAZE

At this point, a small mock-up area should be applied in an inconspicuous location to test the compatibility of the coating with the prepared substrate. Allow the coating to dry and cure fully, then inspect for proper film formation, gloss, and adhesion. Confirm that the film is free from whitening or any other defects.

MIXING:

The material is ready for use and requires no mixing or dilution. It is unlawful to further dilute with non-exempt solvents.



APPLICATION:

SUPER GLAZE WILL DARKEN CONCRETE.

FOR HORIZONTAL SURFACES:

May be applied by low pressure sprayer and back rolled. It may also be applied with a roller or brush in small areas. Apply in a uniform manner and at the specified application rate, taking care to avoid lap marks. Use natural break points, such as cuts and joints, as stopping points whenever possible. **DO NOT OVER APPLY.**

FOR VERTICAL SURFACES:

For best results, apply with an airless sprayer and back roll. Apply in a uniform manner at the specified application rate, taking care to avoid lap marks. Use natural break points, such as cuts and joints, as stopping points whenever possible. **DO NOT OVER APPLY.** Note that concrete must be fully cured (looks uniform in color) and dry at the time of application. This eliminates the possibility of moisture becoming trapped between the film and the concrete slab, resulting in a white haze on the surface. If a white haze does develop, a second application of SUPER GLAZE will emulsify the film and allow trapped moisture to escape. The coating will then be able to re-harden clearly.

COVERAGE

The recommended coverage rate for most concrete substrates is 125 square feet per gallon. Very porous surfaces may require two coats..

Surface	Coverage
Curing, Exposed Aggregate:	300-500 square feet per gallon
Second Coat, Cured Concrete/Burnished Block:	300-500 square feet per gallon

Coverage rates are provided as a guideline only. Many factors, including surface texture, porosity, and weather conditions, will determine actual coverage rates.

MAINTENANCE

Minimal maintenance is required, other than occasional sweeping, dusting, or mopping. If wear patterns do occur or if spillage removes the coating, SUPER GLAZE may be reapplied to the affected area(s).

LIMITATIONS

- Apply in temperatures above 40°F. Colder weather applications may be made under prescribed conditions and procedures specified by Aggregate Industries.
- Not for use on asphalt or surfaces subjected to hydrostatic water pressure, or as a waterproofer on below-grade surfaces.
- Sprayers must be equipped with neoprene hose, washers, and gaskets as rubber or other materials will disintegrate from the solvent.
- Product will not freeze and may be stored in cold weather; however, it must be allowed to warm to approximately 50°F before use.

Note 1. Concrete containing calcium chloride will remain dark longer when sealed. Extenders and additives (concrete admixes, fly ash) are now being added to some ready mixed concrete, which can cause inconsistency in the porosity of the concrete. Some areas of the finished concrete may then appear darker than others. To compensate for these variations, coverage ratios should be adjusted.

Note 2. Pop out problems can occur anytime. However, concrete in certain regional areas, concrete applied in extremely hot conditions (90°F+), and heavily steel-troweled concrete can aggravate pop out problems. These deficiencies are the result of a heat-caused reaction, called Alkali Silica Reactivity (ASR), between the silica in the shale particles of the fine aggregate with the sodium and potassium alkali in the Portland cement. For more information on this problem, refer to "POPOUTS" by Norman 11/17 Last Rev. 10/15 E. Henning, P.E. and Kenneth L. Johnson, P.E. of Twin City Testing and Engineering Laboratory and Lowery J. Smith of the J.L. Shiely Company. Where this type of shale is present and extremely hot weather conditions prevail, it is recommended that liquid membrane curing compounds should not be used until the concrete has been completely cured by water ponding, continuous water spray mist, or wet burlap covering for a period of three days. A seal coat can then be applied.

FIRST AID

Consult this product's Safety Data Sheet for additional health and safety information. Safety Data Sheets are available through Aggregate Industries Sales Department.

REVISIONS

LAST:03/18

PREVIOUS: 04/17

TECHNICAL DATA INFORMATION

Surface	Coverage
Composition and Materials:	A blend of 100% methyl/methacrylate acrylic polymers in a fast drying aromatic solvent.
Percent Solid:	26%
Flash Point:	105°F
Drying Time:	Tack free: 1 hour Open to Traffic: 2 hours
VOC Content:	< 700 g/l
A.I.M. Category:	Curing and Sealing Compound
Maximum VOC:	700 g/l
Applicable Standards:	- ASTM C-1315, Type 1, Class A, B & C - ASTM C-309, Type 1, Class A & B and Type 1D with a red dye added. - Fed. TTC-C-800A, Type 1, Class 1 - AASHTO Des. M-148, Type 1, Clear-DECRD-C-300 - USDA Authorization for use in meat, poultry, and food processing plants. - Resilient Tile Institute approval for compatibility with most resilient tile, carpet adhesives, and paints.