

GemStone Systems, Inc.

G-100

Solvent - based acrylic clear finish.

DESCRIPTION:

GemStone G-100 is a solvent based, 100% acrylic, Non-yellowing clear coating for glazing and sealing decorative coatings, bare and colored cement, concrete walks, pavers, and masonry. G100 gives a medium to high gloss wet look that will withstand mild chemicals, gasoline, grease, oil, and pick up by hot tires.

RECOMMENDED FOR:

- Gemstone Diamond Deck Light, Diamond Deck Dark, and textured acrylic spray decks.
- Gemstone Base Flex
- Concrete pavers finish coat, concrete clear sealer, warehouse, and garage floors.

FEATURES / BENEFITS:

- VOC compliant.
- Medium to high gloss a wet look.
- Protects concrete surfaces from environmental influences.
- Clear, non-yellowing sealer.

PACKAGING / ESTIMATING:

GemStone G-100 is packaged in 5 gallon (18.75 L) metal buckets - DOT approved.

Coverage Rates - Approximately 100 - 150 ft.5 (10 - 12 m5) per gallon of G-100. Coverage will vary depending on the surface porosity and texture and application. It is recommended that a controlled test area be installed to ascertain total amount of material needed under job site conditions.

PERFORMANCE DATA:

Elcometer Adhesion: (ASTM D 4541)	100 % Cohesive failure 0 % Bond loss.
Thermal Compatibility: (ASTM C 884)	5 Cycles, no delamination
Ultraviolet Resistance:	No yellowing after 1000 cycles
Scaling Resistance: (ASTM C 672-91) after 50 cycles	NO scaling

TECHNICAL DATA:

Solids	33.5 %
Diluent	Xylene / Toluene / Vmp Naphtha
Clean - Up	Xylene / Toluene
VOC Content:	Less than 599 GR/ Liter 5.00 LB / gallon
Durability:	Excellent
Light Stability:	Excellent
EPA AIM Category:	Water Repellent Sealer

STORAGE AND SHELF LIFE:

G-100 sealer has a shelf life of 12 months if stored in original, unopened containers between 40E to 90E F.(6E to 32E C). G-100 must be kept from freezing.

SURFACE PREPARATION:

Surface should be clean, dry, free of dust, dirt, free of all oil, dirt, grease, and other contaminants.

APPLICATION:

Apply by brush, roller, or spray at a rate of 100 - 150 sq. ft. / gallon.

LIMITATIONS:

- Do not apply coating when rain is expected. (2 - 4 hours after application.)
- GemStone G-100 should be thoroughly agitated before use.
- DO NOT apply to a wet or damp surface.
- If slip resistance is needed, sand or other abrasive material should be broadcast and back-rolled into the surface immediately after the final coat of GemStone G-100 sealer has been applied.
- Recommended ambient and substrate temperature range at the time of application is 40E to 90E F.(6E to 32E C).
- Wait 24 hours before subjecting to light foot traffic, 48 hours before heavy foot traffic, and 3 to 7 days for vehicular traffic.
- If skin contact occurs, clean with warm water and soap. For eyes, flush with clean water immediately for minimum 15 minutes and repeatedly. Seek medical attention immediately. Refer to Material Safety Data Sheet (MSDS) for further information.
- Do not use solvents to clean this system.

RELATED BULLETINS:

MSDS – G-100 sealer.