

Vanberg Specialized Coatings

Armor-Glaze Gel Data Sheet



PROFESSIONAL COATINGS

PRODUCT DESCRIPTION:

Armor-Glaze Gel is a two component, 100% solids, epoxy Geler and patching compound designed to seal new concrete and fill imperfections on concrete and other porous substrate surfaces.

RECOMMENDED USAGE:

Armor-Glaze Gel is designed for application to both vertical and horizontal surfaces. **Armor-Glaze Gel** acts as a block-filler and can be thickened with fumed silica to fill spalled and eroded vertical and horizontal surfaces.

APPLICATIONS:

Armor-Glaze Gel is the most recommended Geler and patching compound for most VSC Wall Coating Systems.

PACKING INFORMATION:

- 1.5 gallon (5.6L) unit

COLORS:

- White

COVERAGE:

Variable with surface texture – Typically 50 – 80 sq. ft. per gallon

CURE SCHEDULE:

Pot life	20 – 25 minutes @ 75°F
Recoat/Dry time	6 – 8 hours @ 75°F

Note: For faster return to service, use **Armorcoat Fast** thickened with fumed silica.

TEMPERATURE LIMITATIONS:

Surface temperature of 50°F - 90°F is recommended during installation and curing.

GENERAL PRODUCT DATA	
FEATURE	ADVANTAGE
MIX RATIO	2 parts Resin to 1 part Hardener
RECOMMENDED FILM THICKNESS	6 – 15 mils
APPLICATION TEMPERATURE	50-85°F with relative humidity below 85%
COLORS AVAILABLE	White
FINISHED CHARACTERISTICS	Gloss = 60 at 60° @ Erichsen glossmeter.
PRIMER	No primer is necessary when this product is used over a power trowel overlay system or concrete.
TOPCOAT	Optional. Many epoxy and urethane topcoats are compatible.
SOLIDS BY WEIGHT	100% (+/- 1%)
SOLIDS BY VOLUME	100% (+/- 1%)
FLEXURAL STRENGTH	10,600 psi @ ASTM D790 – ½" x ½" bars span 4"
YIELD COMPRESSIVE STRENGTH	15,100 psi @ ASTM D695 – ½" x ½" bars
TENSILE STRENGTH	7,800 psi @ ASTM D638 – testing dimensions F=2.25", W=0.500", T=0.125", D=4.5" and rate = 0.2"/minute.
ULTIMATE ELONGATION	1.5%
GARDNER VARIABLE IMPACTOR	50 in. lb. direct - passed
ABRASION RESISTANCE	Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 23 mg loss
ADHESION	410 psi @ elcometer (concrete failure, no delamination)
HARDNESS	Shoe D = 70 – 80
VOLATILE ORGANIC CONTENT	Zero pounds per gallon
DOT CLASSIFICATION	Part A "not regulated" Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"
SHELF LIFE	1 year in unopened containers

SURFACE PREPARATION:

Surfaces to be coated must be clean, dry and free of contamination - sound and free of loose concrete. All previous coatings should be removed prior to installation to obtain the best bond.

FOR BEST RESULTS:

- Use for interior use.
- New concrete must cure for at least 30 days @ 70°F (21°C).
- DO NOT thin EPOXY.
- DO NOT use when humidity exceeds 85% indoors.
- Allow each coat to dry tack-free before recoating.
- Apply each coat within 24 hours of previous coat.
- Discard any material subjected to freezing.
- DO NOT apply to structurally unsound surfaces.
- Apply a test patch to ensure adhesion.

MIXING:

Premix components to re-disperse any settled fillers or pigments. Combine 2 Parts A (resin) with 1 Part B (hardener). Mix thoroughly. Proper mixing is confirmed when resin is a consistent color with no streaks. To thicken, add fumed silica at the rate of 1 part epoxy to 2 - 3 parts fumed silica.

APPLICATION:

Armor-Glaze Gel is designed for trowel or roller application.

CLEAN UP:

Use **Solvent 101** or Xylol to clean tools immediately after installation. Follow product guidelines for safe use. Must allow adequate ventilation.

DISPOSAL:

Empty containers may contain product residue, including flammable or combustible vapors. Do not cut, puncture or weld near these containers. Label warnings must be observed until containers have been commercially cleaned or reconditioned. Containers to be thrown out must be disposed of in accordance with federal, state and local regulations. Use only licensed hazardous waste disposal companies if required.

PRECAUTIONS:

Carefully read product labels, application guidelines and Material Safety Data Sheet before using all products. Contact with liquids may cause irritation. Use appropriate safety gear including eye protection. Must allow adequate ventilation.

ADDITIONAL INFORMATION:

For additional information or application help regarding this product or others please contact Vanberg Coatings at **1-800-874-0631** or **www.vanbergcoatings.com**

WARRANTY STATEMENT

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