

Vanberg Specialized Coatings

Armor-Glaze Data Sheet



PROFESSIONAL COATINGS

PRODUCT DESCRIPTION:

ARMOR-GLAZE is a two-component 100% solids epoxy coating designed to be applied vertically and to offer gloss, superior abrasion and chemical resistance.

RECOMMENDED USAGE:

ARMOR-GLAZE is a 100% solids epoxy coating designed for application in corrosive environments. **ARMOR-GLAZE** may be used as either a topcoat or a sealer. When used as a topcoat, this two-component epoxy enhances the chemical and abrasion resistant properties of VSC Wall Systems while increasing clean-ability. **ARMOR-GLAZE** offers superior protection for new and old surfaces when applied as a concrete wall sealer. **ARMOR-GLAZE** is U.S.D.A. approved for incidental food contact and bonds well to cool, damp substrates. It accepts **ANTI-MICROBIAL ADDITIVE** for resistance to a wide range of microbes. Available in **VSC Standard Colors**, and custom colors as approved.

APPLICATIONS:

- Block Walls
- Tilt Up Walls
- Hard Board Walls
- Locker Rooms
- Bathrooms
- Showers
- Kitchens

PACKING INFORMATION:

- 1.25 gallon (4.7L) unit
- 2.5 gallon (9.46L) unit packaged in two proportioned 1.25 gallon (4.7L) units

COVERAGE:

160 - 200 sq. ft. per gallon @ 8 – 10 mils
Non sag @ 10 mils

CURE SCHEDULE:

Pot life 20 - 30 minutes @ 75°F
Recoat 6 – 8 hours @ 75°F
Light Service 12 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.

GENERAL PRODUCT DATA

FEATURE	ADVANTAGE
Mixing Ratio	4 Parts Resin to 1 Part Hardener
Colors Available	White, medium gray, steel gray, charcoal, mocha, tan, sandstone, blue, light blue, rustic red, tile red, clear and special colors are available upon request.
Compressive Strength	11,800 psi (ASTM D-695-77)
Tensile Strength	7,100 psi (ASTM D638-77a)
Tensile Elongation	10.7% (ASTM D 638-77a)
Flexural Strength	12,500 psi (ASTM D-790-71)
Flexural Modulus	3.7 x 10 ⁵ psi (ASTM D-790-71)
Hardness	75 - 80 (ASTM D-2240/Shore D Durometer)
Bond Strength	>400 psi (100% concrete failure)
Abrasion Resistance	0.04 gm /1000 revolutions (ASTM D-4060, Taber Abrader) (CS-17 wheel, 1,000 gm load).
Flammability	Self extinguishing. (ASTM D-635) Extent of burning 0.25 inches max.
Water Absorption	0.1%(ASTM C-413)
Heat Resistance Limitations	140° F/60° C (for continuous exposure) 200° F/ 93° C (for intermittent spills)
Viscosity	2,000 – 2,500 cps
VOC	0 g/L (EPA 24)

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 75% 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.
- Prime bare concrete with a suitable VSC primer.
- Apply a test patch to ensure adhesion.

SURFACE PREPARATION:

Before applying the proper preparation steps should be taken. The following are basic instructions when used as a topcoat.

Use an orbital sander with medium grit abrasive paper to remove sags, runs and protruding fibers from the existing surface. The surface needs to be profiled, cleaned and dry.

PRIMING/BASE COAT:

For optimum results, prime the prepared concrete wall first with a recommended VSC primer or **ARMOR-GLAZE GEL block filler**. A single coat of **ARMOR-GLAZE** can also be used.

Allow the VSC primer or **ARMOR-GLAZE GEL block filler** to cure thoroughly before mixing and applying the next coating. The coated surface should be tack free.

Review VSC'S Material Safety Data Sheets (MSDS and Data Sheet) for the primer prior to mixing and applying.

MIXING:

Premix components to re-disperse any settled fillers or pigments. Combine 4 Parts Resin with 1 Part Hardener. Mix thoroughly with a prop-mixer for two minutes. No induction time is required. The material may be applied immediately.

APPLICATION:

Apply the material by roller or brush. If a second coat is being applied, timing is critical. Allow the first coat to harden. Apply the second coat within the recoat time (8 – 24 hours). If the first coat completely cures, bonding additional coats may be difficult and may require special preparation techniques.

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

Information about VSC products is given to the best of our knowledge, based on tests and experience. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you will make your own tests to determine the suitability of the product for your particular purpose. As products are often applied or used under conditions beyond our control, VSC cannot guarantee anything but the quality of its products. VSC warrants that its products meet the specifications set forth by VSC, but we reserve the right to change any given specification without prior notice. VSC DISCLAIMS ALL WARRANTIES RELATING TO THE PRODUCTS AND THEIR APPLICATION, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Receipt of VSC products constitutes acceptance of the terms of this limited warranty and the terms and the conditions set out in our invoice, contrary provisions of buyer's purchase documents not withstanding. Upon receipt of merchandise, purchaser has 30 days to notify VSC in writing that materials are defective. In the event VSC finds that the product delivered is off specification, VSC will, at its sole discretion, either replace the product or refund the purchase price thereof, and VSC's choice of one of these remedies is the buyer's sole remedy. In no event shall the liability of VSC exceed the purchase price of shipped merchandise. Claims must be in writing. Claims after 30 days are void. VSC will under no circumstances be liable for special, incidental or consequential damages. This warranty supercedes all other guarantees, whether oral or written, and whether expressed, implied or statutory. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Certain products may contain chemicals which may cause serious physical injury. Before using, please read the Material Safety Data Sheet and follow all precautions to prevent bodily harm.



VANBERG SPECIALIZED COATINGS
PO BOX 19414
LENEXA, KS 66285-9414

April 30, 2014
Data Sheets/Armor-Glaze