**PROFESSIONAL COATINGS**

**PRODUCT DESCRIPTION:**

**Armor-Glaze** is a two-component l00% solids epoxy coating designed to be applied vertically and to offer gloss, superior abrasion and chemical resistance.

**RECOMMENDED USAGE:**

**ARMOR-GLAZE** is a l00% 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 @75ºF

Recoat 6 – 8 hours @ 75ºF

Light Service 12 hours @ 75ºF

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.

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| **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 105 psi (ASTM D-790-7l) |
| **Hardness** | 75 - 80 (ASTM D-2240/Shore D Durometer) |
| **Bond Strength** | >400 psi (l00% concrete failure) |
| **Abrasion Resistance** | 0.04 gm /1000 revolutions (ASTM D-4060, Taber Abrader) (CS-17 wheel, l,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** | 140º F/60º C  (for continuous exposure)  200º F/ 93ºC  (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**