

PRODUCT DESCRIPTION

Armaglaze® WB 6000 is a waterborne, two-component aliphatic polyurethane coating system, supplied in two pre-weighed, color coded units ready for mixing.

USES

Armaglaze® WB 6000 is an architectural protective coating system designed for industrial/commercial application on concrete, masonry and many standard construction materials and surfaces in non immersion service. Armaglaze coatings are attractive, easy to clean and maintain, offering exceptional levels of weathering, durability, color and gloss retention.

ADVANTAGES

- Excellent aesthetics
- Very low odor, suitable for interior / exterior application
- Outstanding exterior durability, gloss and color retention properties
- Good resistance to solvents and chemicals
- Exceptional anti graffiti properties and asset protection capability

LIMITATIONS

- Pot life of Armaglaze® WB 6000 is 2-3 hours in a 1 gallon container and 1.5 hours in a 5 gallon pail at 20°C / 68°F. Plan the painting work accordingly.
- Do not apply Armaglaze® WB 6000 when material or substrate temperatures are or have been (over the preceding 24 hours) greater than 35°C / 95°F or lower than 10°C / 50°F. Store Armaglaze® WB 6000 at room temperature for 24 hours prior to application.
- Armaglaze® WB 6000 clear will discolor some paints. Perform a test patch before use.
- Do not freeze the paint.
- Do not apply Armaglaze® WB 6000 on unprepared glazed ceramic surfaces. Treat the glazed surfaces with Armatile™ PREP or other suitable material prior to coating application.

GRAFFITI PROTECTION

Armaglaze® WB 6000 exhibits graffiti protective properties because:

- when coating is completely cured it is resistant to most solvent attack
- graffiti does not penetrate the coating film

When solvents are used to wash down contaminated surfaces, they soften and break up the paints that form

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graffiti but do not damage the underlying Armaglaze® WB 6000. Thus the graffiti is removed leaving the Armaglaze® WB 6000 coating intact. The graffiti cleaning process can be repeated many times.

Armaglaze® WB 6000 requires full five (5) day cure to reach maximum graffiti protection.

For exterior jobs on porous substrates requiring coating or graffiti protection to only the first 8 to 10 feet (2.4 m to 3.0 m) of wall, leave the first few inches (centimeters) at base of wall free of coating for escape of any water or moisture inside the wall.

SURFACE PREPARATION

Ensure that the substrate is sound. Fill any voids and repair structural defects. Surfaces must be free of moisture and loose flaking paint, rust, grease, oils, dust, dirt, efflorescence, wax and mill scale prior to application of Armaglaze® WB 6000.

Prepare metal surfaces in accordance with SSPC PA1 "Shop Field and Maintenance Painting" published by the Steel Structures Painting Council, 4400 Fifth Avenue, Pittsburgh, PA 15123. Flaking paint and all surrounding coating has to be removed to bare metal.

Unsound concrete and laitance should be removed by mechanical or other appropriate means. Sound and tightly adhered painted surfaces should be abraded to promote adhesion. If a wet abrasive blast is used, the surface must be thoroughly dry and free of moisture prior to coating application.

SURFACE PRIMING

Prior to application of Armaglaze® WB 6000 coatings to new work, porous surfaces (masonry and concrete) and other surfaces requiring preparation must be sealed with Armaclear Sealer, Saf-T-Seal or other compatible water based primer/sealer.

COATING MIXING

Armaglaze® WB 6000 is supplied in two pre-weighed color coded units ready for mixing. Stir contents of Pack A well. Empty the contents of Pack B into Pack A and mix well with a **power mixer only** at 1800 RPM for a minimum of 5 minutes. Use 3 inch diameter blade in 1 gallon container and 4 inch diameter blade in 5 gallon pail. Wait for 10-15 minutes after mixing and before reduction or application.

COMPATIBILITY

- Armaglaze® WB 6000 is compatible with most coating systems.
- To test compatibility apply Armaglaze® WB 6000 to a small inconspicuous surface area on the substrate. Previously painted surfaces should be properly prepared and tested to check that Armaglaze® WB 6000 does not wrinkle or discolor existing paints. If in doubt, strip back to bare surface and reseal.

COATING APPLICATION

- Do not apply Armaglaze® WB 6000 when relative humidity is above 80% and material and/or substrate temperatures are or have been (within 24 hours of intended application) greater than 35°C / 95°F or lower than 10°C / 50°F. Store the product at room temperature prior to application.
- Apply coating by brush, roller or spray. Spray applications require competent, experienced applicators.
- If applied by roller avoid introduction of air bubbles in the film. Rollers with a nap of 5 mm to 8 mm (approximately 3/8") are recommended. For smooth surfaces use high density foam roller.
- Reduce with clean water if necessary. For spray applications up to 5% can be added. For brush or roller application reduction should not be necessary. Allow the mixed product stand for 10 minutes before reduction.
- Two coats of Armaglaze® WB 6000 are recommended over properly prepared and sealed surfaces.
- Apply to dry film thickness of 1-2 mils (2-4 mils wet film thickness) per coat. Any runs should be brushed or rolled out as they occur, and not allowed to cure hard.
- Overcoat when dry to touch or within ninety six (96) hours. If the recommended 96 hours recoat time is exceeded abrade the surface.

EQUIPMENT CLEAN-UP

Do not allow Armaglaze® WB 6000 to dry inside application equipment. Clean tools and equipment immediately after use with water or Armaglaze® reducer. **Do not** use solvents containing alcohol, mineral spirits or lacquer thinners.

HEALTH AND SAFETY DATA

WARNING: Vapor and spray mist are harmful. Read the MSDS prior to use.

- Armaglaze® WB 6000 is intended for professional use only.
- Keep out of reach of children.
- Use in well ventilated areas, avoiding contact with skin and eyes.
- Wear protective clothing and gloves when handling or using solvents and coatings. Avoid skin contact.
- For spray applications, NIOSH approved air fed masks or filtered respiratory systems must be used.
- All cured materials are completely non toxic and safe.

STORAGE AND HANDLING

- **Read Material Safety Data Sheet.**
- **DO NOT FREEZE.**
- Store products with labels intact and visible in a clean, dry area protected from direct sunlight and moisture between 10-30°C (50-86°F) and relative humidity less than 50%.
- **Sealed, unopened containers have a shelf life of twelve months.**

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TECHNICAL DATA

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| Color | Clear, White, Cream, Limestone, Grey and Custom Colors | |
| Finish | Matte, Satin, Gloss (for specific color finishes contact the Manufacturer) | |
| Solids | 40-46% by Volume 43-56% by Weight - dependent on color | |
| Flash point | not applicable | |
| Viscosity (mixed A & B) | 1750 cps (colors), 1700 cps (clears) | |
| Air Spray Viscosity | #4 Ford cup - 30±10 seconds Add water in small increments. Mix thoroughly. | |
| Specific Gravity | 8.3-10.8 lb/gal, 1.0-1.3 kg/liter - dependent on color | |
| Flame Spread | Manufactured to Class 1 British Standard 476 Surface Spread of Flame, CSB and US Class A requirements. (ASTM E84-80) | |
| Application Method | Brush, roller, conventional or airless spray | |
| Airless Spray Parameters | Tip size 0.011-0.017 inch, up to 2000 psi pressure | |
| Wet Edge | 0.25 hours. | Given are approximate times at 20°C (68°F) and |
| Dry to Touch | 4.0 to 6.0 hours | 50% relative humidity. They will vary depending |
| Full Cure | 5.0 days. | on temperature and humidity |
| Toxicity | Toxic in spray state, inert in dry film | |
| Film Thickness | 1-2 mil dry film thickness per coat (2-4 mil wet film) | |
| Coverage | 400 ft ² /US gal per coat at 4 mils wet on smooth surface. Coverage will vary dependent on profile, application technique and substrate porosity. | |
| Temperature Resistance | 105°C/221°F continuous | |
| Free Isocyanates | No measurable free isocyanates (at STP) when Packs A and B are mixed | |
| Volatile Organic Content | 0.1-0.2 lb/gal (12-24 g/l) | |

TEST DATA

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| Salt Fog Resistance | ASTM B117 (10000 hours) | pass |
| Hardness | ASTM D3363 | H/HB |

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| Abrasion and Erosion Resistance | ASTM D968 | 201 g per mil |
| Taber Abraser | ASTM D4060 1000 cycles | 45 mg |
| Adhesion | ASTM D3359 | 5B |
| Artificial Weathering | ASTM G53, 1000 hours | no chalking loss of 4 gloss units |

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