

# PRO TECH™

PRODUCTION PAINT COATINGS

## PRODUCT DATA

### ARMOR TECH™ Universal Alkyd Primer 1200-series

Modified Alkyd

#### PRODUCT DESCRIPTION

A quick drying modified alkyd universal primer and barrier coat for use as an anticorrosive primer on ferrous metal and as a barrier coat over solvent sensitive coatings.

#### TYPICAL USES

For industrial and commercial use including machinery, piping, structural steel, marine vessels, storage tank exteriors and power plant equipment. For priming properly prepared steel. Excellent for use as a high quality shop primer. For use over solvent sensitive coatings as a foundation for high performance topcoats.

#### PRODUCT ADVANTAGES

ARMOR TECH Universal Alkyd Primer offers excellent protection against corrosion in exposures including mild industrial and marine environments. Exhibits very good adhesion to properly prepared ferrous metals. Contains a chromate-free anticorrosive for excellent corrosion protection. Offers good exterior durability for shop primer use. When properly cured, acts as a "barrier" coat to prevent lifting of solvent sensitive coatings by strong solvents in high performance coatings.

#### COLORS

Red 705, Gray 805, Buff 501, White 151

#### GLOSS

Flat

#### PHYSICAL CONSTANTS

**Nonvolatile** - By weight - 58.0 ± 2.0% \*  
By volume - 35.8 ± 2.0% \*  
**VOC (Calculated)** - 4.5 lbs./gal.\*  
540 grams/liter \*  
**Flash Point** - 71°F (Setaflash)  
**Weight per gallon** - 10.7 ± 0.2 lbs.\*  
\*varies slightly with color

#### APPLICATION

**Recommended Film Thickness** - 1.5 mils dry, 3.6 mils wet  
**Theoretical Coverage @ 1.5 mils dry** - 382 sq. ft./gal.  
**Method** - Brush, roll, conventional and airless spray.  
**Thinner** - Tech Thinner #901 or XYLENE #903  
**Cure time @ 75°F** - To touch - 5 minutes  
To handle - 15 minutes  
To recoat - 1 hour

Note: See topcoating section on back page.

#### SHIPPING & STORAGE

<b>Consists of -</b>	1 Gallon Unit	5 Gallon Unit
<b>Unit Shipping Weight</b>	12 lbs.	57 lbs.

**Shelf Life** - 12 months minimum from date of manufacture when maintained in protected storage @ 40-100°F (subject to reinspection thereafter).

## APPLICATION INSTRUCTIONS

Consult your Mobile Paint Pro Tech Representative for the protective coating system best suited for your requirements.

**Limitations:** Apply in good weather when air and surface temperatures are above 40°F and surface temperature is at least 5°F above the dew point. For optimum application properties, material should be between 70° to 100°F prior to mixing and application. Maintain unmixed material in closed containers in protected storage at 40 - 100°F.

**Surface Preparation:** Good surface preparation is essential to a satisfactory coating system. Surfaces to be coated should be clean and dry. Remove all oil, grease, mildew or other contamination by solvent or detergent cleaning or other effective means.

**Steel -** For best performance, application to abrasive blasted surface is recommended. "Commercial Blast Cleaning" (SSPC-SP6) is recommended as the minimum. Proper blast media and blasting equipment shall be used to produce an average profile depth of 1.5 mils minimum. Do not reuse abrasive media. Remove blasting dust and grit from surfaces before painting. Blasted surfaces should be coated within 8 hours after blasting or before rusting or other contamination of the surface occurs. If blasting is not feasible, prepare surface by "Hand or Power Tool Cleaning" (SSPC-SP2 or -SP3).

**Previously Finished Surfaces -** Repair all damaged areas. Remove gloss from previous paint by sanding or "Brush Blasting" (SSPC-SP7). Remove rust, corrosion products, heavy chalk and loose or peeling paint by "Hand or Power Tool Cleaning" (SSPC-SP2 or -SP3). Spot prime any bare areas as required. If doubt exists concerning compatibility of this coating with the previous system, apply coating to a representative area (25 Square feet minimum) and allow to cure and age several weeks. Then inspect for adhesion failure, wrinkling, lifting, blistering or any other sign of incompatibility. If there are no signs, coating work can proceed.

**Mixing:** This is a one component coating. Always mix thoroughly with a power agitator before application.

**Thinning:** This product is supplied at normal spraying viscosity. If thinning is necessary, thin up to 1/2 pint per gallon with Tech Thinner #901 for brush or roller. Thin up to 1/2 pint per gallon with XYLENE #903 for spray.

**Application:** Apply by brush, roller or conventional or airless spray. Roller application may require special care to prevent bubbling and more than one coat to obtain proper film thickness. Apply at 3.6 mils wet film thickness which will yield 1.5 mils dry film thickness.

**Equipment:** Brush - Use a good quality bristle brush. Roller - all purpose, good quality roller with 3/8" nap maximum. Conventional spray - For suction feed, use Devilbiss MBC gun with E tip and needle and 30 air cap or equivalent at 40 - 45 psi atomizing pressure. For pressure feed, use DeVilbiss MBC gun with E tip and needle and 704 air cap or equivalent at 40 - 45 psi atomizing pressure and 5 - 8 psi fluid pressure, 3/8" ID material hose, double regulated pressure tank with oil and moisture separator. Airless Spray - Minimum of 28:1 ratio pump, .015" - .017" tip, 1/4" ID material hose.

**Topcoating -** When topcoating with strong solvent containing high performance coatings such as epoxies, urethanes and vinyls, the recoat time must be extended. Recoat time will depend upon the curing conditions (temperature and humidity) at the time of application. A curing time of at least 48 hours is strongly recommended before topcoating with strong solvent containing coatings. If there is a question with regards to topcoating, we suggest a test patch be applied and evaluated as in the compatibility testing described above.

**Cleanup:** Clean all equipment immediately after use with Tech Thinner #901 or XYLENE #903. Completely flush all spray equipment with either of these solvents. Occasional flushing of spray equipment during the course of the working day helps prevent buildup and possible clogging.

**Safety:** Safe storage, handling and use dictate that adequate health and safety precautions be observed with this product and any recommended thinners. User is specifically directed to consult the current Material Safety Data Sheet for this product as well as precautions contained on product labeling.

**Notice:** The technical data contained herein are true and accurate to the best of our knowledge. All products are offered and sold subject to Mobile Paint Manufacturing Company's Standard Conditions of Sale. Published technical data and instructions are subject to change without prior notice.

ArmorTech1200(7/03)

### LIMITED WARRANTY

The successful performance of this product is highly dependent on many factors beyond our control. Results are highly dependent upon the skill of the operator. This product is manufactured to meet the highest level of consistency and quality for the intended use. Mobile Paint warrants that its products meet the specifications which it sets for them. Should this product be proven to be off-specification within one year from date of shipment, Mobile Paint will, at its sole discretion, either replace the product or issue credit for the original purchase price of the product. The replacement or refund shall be the buyer's sole remedy and Mobile Paint and its affiliates **MAKE NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, DESIGN COMPATIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. LABOR OR COST OF LABOR AND OTHER INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED.** The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.