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## HARD SURFACE 2-PART PRIMER ARMSC550X

**ARMORPOXY HARD SURFACE PRIMER® ARMSC550X** is a two component, water-based epoxy primer designed to improve the adhesion of floor coatings over difficult to coat, or marginally prepared substrates. Substrates include, hard-troweled concrete, aluminum and various types of tiles. ARMORPOXY Hard Surface Primer ARMSC550X can be top coated with most types of floor coating technologies including acrylic, epoxies and polyurethanes.

### PRODUCT FEATURES AND BENEFITS

- Alternative to traditional mechanical and chemical surface preparation
- Excellent as a primer/basecoat for warehouse line striping, zone marking, solid color and decorative floor coatings including metallic systems
- Can be top coated after 5 hours and before 7 days without sanding
- Compatible with most floor coating technologies
- VOC compliant nationwide

NOTE: Kits contain Base and Activator.

### PRODUCT APPLICATION

#### READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

#### SURFACE PREPARATION

New concrete should be allowed to cure for 30 days before application of any coating. Remove oil, dirt, grease and other chemical contaminants by cleaning with Krud Kutter® Original Cleaner Degreaser, detergent or other suitable cleaner and rinse with fresh water. Existing coatings should be well bonded and sound.

Tiles and glazed surfaces must be etched with 50% diluted muriatic acid, or lightly grinded or sanded for adhesion.

Previously coated floors need to be in good condition with proper adhesion to the concrete substrate. Check the adhesion of the previous coating by cutting a small X in the coating using a sharp razor knife. Firmly apply a piece of 2" duct tape over the center of the X cut; then pull off with a fast snap. The coating is suitable to topcoat if no significant previous coating is removed beyond the X cut. If the coating fails this test, additional surface preparation is required.

### MIXING

Combine the base and activator components. Power mix the material using a 3" Jiffy type Mixer or Similar mixer. Mix at 500-750 rpm for 2-3 minutes, making sure a uniform color is achieved. Do not delay the application. The useable pot life is 45 minutes. Do not mix more material than you plan to use within the listed pot life.

NOTE: It is not unusual for a soft settle of the base component to occur. Adequately power mix the base component separately to fully reincorporate the material prior to combining with the activator.

#### **APPLICATION**

Apply only when air and surface temperatures are between 50-85°F (10-29°C) with the surface is at least 5°F above the dew point and the relative humidity is below 85% during and after application. Use a good quality, lint free ¾" nap roller with a phenolic core. A brush may be used for cutting in along walls. Avoid excessive film thickness.

#### **DRY AND RECOAT TIMES**

The coated floor will be ready for foot traffic in 4-6 hours. Allow 5 hours prior to application of the desired finish coat. The finish coat must be applied within 7 days.

#### **COVERAGE**

Approximately 250-350 square feet per activated gallon.

#### **CLEAN-UP**

Tools and equipment should be washed in warm soapy water before the product starts to cure. Accidental splashes of components prior to mixing can only be removed with MEK.

#### **PHYSICAL PROPERTIES**

Resin Type :2-Component Water-based Epoxy

Pigment Type: Titanium Dioxide, Carbon Black

Solvents: Water

Weight Per Gallon 11.9 lbs.

Solids\*By Weight 67% By Volume 53%

Volatile Organic Compounds\* 0 g/l

Mixing Ratio : 4:1

Induction Period; None

Pot Life: 45 minutes

Recommended Dry Film Thickness (DFT) Per Coat: 2-3 mils

Wet Film to Achieve DFT (unthinned material): 4-6 mils

Practical Coverage at Recommended DFT (assumes 15% material loss) :250-300 sq ft/gal

Dry Times at 70°F (21°C) and 50% 4-6 hours for foot traffic, up to 7 days full cure.

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