

720 Water Reducible Alkyd

Updated: January 2015

Specification Data

Generic Type: Water reducible alkyd

Description: APCO 720 Water Reducible Alkyd is a fast drying, high gloss, coating. Available in a wide range of factory colors. Forms a tight high gloss enamel finish that provides barrier protection to properly prepared steel surfaces. VOC compliant and HAPS free formulation helps meet strict air quality regulations.

Features:

- High Gloss
- Fast Drying
- Can be applied Direct-to-Metal
- Available in a full range of colors
- HAPS Free

Solids Content: 25% by Volume

Theoretical Coverage:

- 401 mil ft²
- 267 ft² @ 1.5 mil DFT

Allow for loss during mixing & application.

VOC Value:

- 3.1 lbs/gal per EPA Method 24

Substrate & Surface Preparation

Must be clean and dry. Any dirt, dust, oil, contaminants, loose rust or loose mil scale must be removed.

Immersion Carbon Steel: Not Recommended

Non-Immersion Carbon Steel: Minimum SSPC-SP3 Power tool Cleaning. For optimum performance SSPC- SP6 Commercial Blast, surface profile 1.5-3.0 Mil.

Galvanized Steel: Not recommended

Previously painted surfaces: Surface must be sufficiently roughened, either by abrasive blasting or mechanical abrasion. Surface must attain a minimum 3B rating in accordance with ASTM D3359 "X-Scribe" test. Apply a test patch to check compatibility, prior to primary application.

Primer: APCO 715AP

Application Equipment

Spray Application:

- **Conventional:** Pressure pot with dual regulators, 3/8" I.D. material hose, Binks 2001 Gun w/66 series nozzles and 565 needle.
- **Airless:** Graco 36:1 Min. 1/4" material line. Tip size .011-.013. Output PSI- 3000-3600

Brush & Roller: Touch up only

- **Brush:** Natural Bristle
- **Roller:** 1/4" Nap cover with Phenolic Core

Mixing & Thinning

Components: One

Mixing: Power mix to uniform color & consistency

Thinning:

- **Spray:** Up to 12 oz/gal with potable water

Application

Pre-application: Flush all equipment with water

Temperature: Application range from 60°F-110°F surface temperature. Do not apply below 60°F.

Method: Apply one coat maintaining a wet edge to achieve a WFT of 3-4 Mils. Maximum performance will be achieved with two coats totaling 1.5-2.5 mils DFT.

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Application Continued

Inspection: Visually inspect film to ensure adequate coverage.

Clean up & disposal: After use immediately flush all equipment with water. Dispose of all containers, solvents and unused materials in accordance with all local, state and federal regulations.

Curing schedule:

Times based upon 75°F and 50% relative humidity

Dry to touch: 30 minutes

Dry through: 6 hours

Dry times are greatly affected by weather conditions and film thickness.

Packaging & Handling:

Unit sizes: Ones, Fives and Drums

Shipping Weight: 10 lbs/gal Unit

UN Classification: not regulated