

Apex[®]

High Performance Polymer Interior Water Based Clear Finish



PROFESSIONAL

TECHNICAL DATA SHEET

Description

Apex HPP Interior Water-Based Clear Finish is a single component spray-only finish with an optional hardener for improved durability.

Features

- Excellent sandability as a self-seal system
- Fast dry and stacking times
- Meets KCMA and ASTM performance requirements when applied according to manufacturers specifications
- Minimal grain raise
- Superior chemical and wear resistance

Typical Uses

Wood surfaces, kitchen cabinets, office and household furniture such as bars, tabletops and vanities, and fine architectural woodwork including trim, windows, and doors. For interior use only.

Surface Preparation

New Wood:

Sand raw wood with 120 to 180 grit sandpaper and remove dust. Sand between coats with 220 to 320 grit.

Stain Precautions:

Oily stains must be fully dry with an additional 24 hours to off-gas before applying this topcoat.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Mixing Instructions

Catalyzation:

If desired, by volume add 1 oz of Apex Hardener to 1 gallon of Apex HPP Clear Finish. Stir product while adding hardener.

Pot Life:

After adding hardener - pot life up to 48 hours at 68°F to 77°F and 40% to 65% Relative Humidity.

Mixing:

Always stir before use. Do not shake.

Reduction:

5% water as needed.

Application

Apply via spray 2 to 3 coats at a rate of 3 to 5 wet mils per coat.

Wet Film Thickness per Coat:

3.0 to 5.0 mils

Dry Film Thickness per Coat:

0.9 to 1.5 mils

Air Spraying (Cup Gun)

Nozzle Size	0.066
Pressure	35 to 45 PSI

Airless Spraying:

Tip Size	.009 to .013
Pressure	1450 to 2175 PSI

Air-Assisted Airless Spraying:

Tip Size	.009 to .013
Material Pressure	400 to 500 PSI
Assist Air Pressure	10 to 15 PSI

Product Codes

Available Sizes: Gallon (01) and Five Gallon (05)

Gloss	10-0106
Semi-Gloss	10-0105
Satin	10-0103
Flat	10-0101
Catalyst	10-0109

Technical Data

Gloss Levels @ 60°

Gloss	70+
Semi-Gloss	55 to 60
Satin	18 to 23
Flat	10 max

Product Information

Solids by Volume	30% ± 2%
Solids by Weight	33% ± 2%
Weight per Gallon	8.58 lbs
Viscosity at 77°F	65-70 Ku or 50-55 seconds #3 Zahn
Flash Point	>200°F
VOCs	<275 g/L
HAPs	0.04 lbs of HAPS per lbs of solids

Application (continued)**Recoatability:**

Sandable and recoatable after 1 to 2 hours at 68°F. Use Scotch-Brite™ Pad or 220 to 320 sandpaper between coats. Sanding dust must be removed by blowing off or tack ragging. For best adhesion, sand previous coat immediately before applying topcoat and apply the topcoat to the sanded surfaces within 6 to 8 hours.

Clean Up

Soap and water clean-up. Use acetone to remove dried coating.

Drying Conditions:

Conditions should NOT be below 50°F and 40% relative air humidity. Ideal conditions are 68°F to 77°F and 50 to 65% relative air humidity. Variations lead to drying and curing problems. Drying times listed may vary depending on film build, temperature, humidity and degree of air movement. Temperatures are based on actual board temperatures. Times may vary depending on length of time for boards to reach these temperatures.

Storage

Storage Life	12 months in the closed, original container.
Storage Temperature	60°F to 77°F in unopened container.

Cautions

These products are designed for shop application and professional use only. Safety Data Sheets are available from your Old Masters representative or can be found on myoldmasters.com/professional. Prior to use of this product, obtain and review the Safety Data Sheet for health and safety information. Read and observe all precautionary notices on container labels.

Limited Warranty

The technical data and suggestions for use contained in this document are true and correct to the best of our knowledge at the date of issuance. The statements of this document do not constitute a warranty, expressed or implied, as to the performance of these products. Since Old Masters does not control the application of its products, or the condition to which they are applied, Old Masters liability will under no circumstances exceed replacement of the product. All technical information is subject to change without notice.

Technical Data (continued)**Coverage**

Recommended WFT per Coat	3.0 to 5.0 mils
Recommended DFT per Coat	0.9 to 1.5 mils
Theoretical Coverage @ 1 mil DFT	471 sq ft/gal

Optimal Dry Times at 68-77°F and 50-65% Relative Humidity

Touchable	25 to 30 minutes
Sandable	1 to 2 hours
Recoatable	1 to 2 hours
Force Dry	After adequate flash-off time at room temperature, may be force dried with circulating air temperatures up to 120°F

Questions?

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