

## TECHNICAL DATA SHEET

### OLD MASTERS® PENETRATING STAIN

AVAILABLE SIZES: Half-pint (16), Quart (04), Gallon (01) and 5 Gallon (05)

PRODUCT CODES:	401 Natural Tint Base	407 Early American	413 Fruitwood	441 Crimson Fire
	402 Golden Oak	408 Dark Mahogany	414 Pickling White	442 Vintage Burgundy
	403 Cherry	409 Cedar	415 Puritan Pine	443 Rich Mahogany
	404 Red Mahogany	410 Dark Walnut	438 Natural Walnut	444 Espresso
	405 Provincial	411 Special Walnut	439 Pecan	445 Aged Oak
	406 Maple	412 Spanish Oak	440 American Walnut	446 Weather Wood

**PRODUCT DESCRIPTION:** Old Masters® Penetrating Stain is a traditional wood stain for all interior wood surfaces such as cabinets, woodwork, paneling, trim, doors, furniture, floors and more. This product penetrates the wood's surface creating vibrant colors that enhance the natural beauty of wood. Penetrating Stain comes in factory-mixed colors and can also be intermixed or tinted to achieve custom colors. This stain can be applied by brushing, wiping or spraying. Great for either new interior wood surfaces or wood surfaces from which the previous finish has been removed.

**SURFACE PREPARATION:** The wood surface must be clean, dry and free from dirt, wax or grease. Sand the wood thoroughly, first with medium grit sandpaper, then progressing to a fine grit paper. Always sand in the direction of the wood grain. Sand smooth, then remove dust particles with a lint-free rag or a tack rag.

**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](http://www.epa.gov/lead).

**APPLICATION:** Stir thoroughly before and during application for even distribution of color. Stain application varies based on surface material. Always test stain in an inconspicuous area. For projects requiring more than one container of the same color, stir well and intermix both containers to avoid color variance.

**Application on Bare Wood:** Stir well before and during application for even distribution of color. Apply an even coat of Penetrating Stain with a brush, cloth, pad, roller or sprayer. Allow the stain to penetrate surface for 2 to 5 minutes. Before the stain dries, wipe off excess stain with a soft cloth, first across the grain, then with the grain.

**Application on Previously Finished Surfaces:** If staining previously finished surfaces, first restore the surface to bare wood by completely removing the old finish, then follow the surface preparation directions listed above. When bare wood surface is revealed, stir well and begin application. Apply an even coat of Penetrating Stain with a brush, cloth, pad, roller or sprayer. Allow the stain to penetrate surface for 2 to 5 minutes. Before the stain dries, wipe off excess stain with a soft cloth, first across the grain, then with the grain.

**Helpful Hints:** Color depth may vary according to wood type and application method used. Before staining, test stain in an inconspicuous area. For a deeper color, allow the surface to dry, then apply a second coat. For a lighter color, before the stain has dried, wipe the surface with a cloth dampened with mineral spirits.

**MIXING AND TINTING:** Custom colors can be achieved by intermixing Penetrating Stain colors or by adding up to 10 ounces of universal or industrial colorant per gallon. Also, colorant may be added to Penetrating Stain Natural Tint Base to create custom colors. Natural Tint Base Penetrating Stain may be used to lighten stain color in any proportion or as a tint base to which colorant may be added for ultimate color selection. Create Santa Fe pastel colors by tinting Pickling White Penetrating Stain with universal colorant (formulas available upon request). The amount of colorant added may affect its performance and extend the dry time. **DO NOT THIN.**

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**COVERAGE:** Approximately 500 square feet per gallon. Spreading rate will vary significantly depending on the porosity and texture of the wood.

**DRYING TIME** Approximately 4 hours, depending on humidity, temperature and air movement. Dry times may also be extended due to excess stain application or lack of stain penetration. Be sure surface is thoroughly dry before topcoating. (Note to professional—allow 2 to 4 hours dry time at normal room temperature before applying lacquer.) When used on hardwood floors, allow 24 hours or longer depending on surface and drying conditions. Ideal drying conditions recommended are 70° to 75°F and 35 to 50% humidity.

**CLEAN UP:** Using a cleaning solvent, such as paint thinner or mineral spirits, is recommended for cleanup. The use of paint thinners or mineral spirits may violate VOC compliancy in your area. Check with your local government agencies to ensure proper compliancy.

To avoid spontaneous combustion during temporary storage, soak soiled rags and waste immediately after use in a water-filled, closed metal container.

**RECOMMENDED FINISH COAT:** We recommend Old Masters<sup>®</sup> clear finishes. However, this stain can be topcoated with most clears. If a lacquer topcoat is desired, we suggest testing for compatibility before using. **When applying water-based finishes, allow a minimum of 24 hours before topcoating.**

**MAX VOC:** 550 grams/liter (4.6 lbs/gal)

### TECHNICAL DATA

SOLIDS BY WEIGHT:	33.7% to 45.8%	FLASH POINT:	102°F Tag Closed Cup
SOLIDS BY VOLUME:	29.4% to 30.2%	VISCOSITY AT 77 °:	25 to 27 sec. Ford Cup #2
V.O.C.:	550 grams/liter	AVERAGE DRY TIME @ 70°F AND 50% R.H.:	Approximately 4 hours
THEORETICAL COVERAGE @ Mil DFT:	Not Applicable	VEHICLE:	Oil
COVERAGE @ RECOMMENDED DFT	Not Applicable	RECOMMENDED THINNER:	Do not thin. Used as packaged.
RECOMMENDED DFT PER COAT:	Not Applicable		
WEIGHT PER GALLON:	6.9 to 8.5 lbs		

Limited Warranty Since Old Masters<sup>®</sup> does not control the application of its products, nor is the condition of the surface to which they are applied, a Limited Warranty provided. If the products do not perform as specified, for whatever reason, Old Masters<sup>®</sup> liability will under no circumstances exceed the replacement of the product.