

ILVA TECHNICAL DATA SHEET

PRODUCT SERIES: KLIMA SERIES

PRODUCT CODE: HNS703

DESCRIPTION: Klima Clear Gel Impregnator

USES: To be tinted with PZ4xx at 3-5% or PZ5xx at 1-3%. Apply to achieve a consistent uniform color of the wood, especially recommended when harmonizing of the wood is necessary, such as finger joint wood. May be used on hard or soft woods. Good vertical hang.

APPLICATION SYSTEM: Brush, Spray, or Lambs wool pad, then wipe

FILM THICKNESS: 1.6-2.3 mils wet

COATS: One

GENERAL PROPERTIES:	Specific Gravity, gr/cc	1.010+/-0.03
	Viscosity as supplied Brookfield	5000+/-1000 cps, spindle 2, speed 10
	Solids, % by weight:	8+/-2
	Thinner:	Water
	% of dilution:	0-5%

DRYING TIME: At 20°C with ventilation, dry to handle:
(at 20°C/68°F) Dust Free: 20 minutes
Dry to touch: 1 hour
Full dried: 4 hours

(Drying times may vary according to temperature, ventilation and relative humidity)

WARNINGS: KEEP FROM FREEZING

SHELF LIFE: 12 months

STORAGE: Store in a tightly closed container at room temperatures (18 -25 °C/64 -75 °F) and protect from moisture and foreign material. Do not store at temperatures below 7°C (45°F).

DATE OF ISSUE: 2-18, 4-19

**IC & S, P.O. BOX 10845, LANCASTER, PA 17605
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TECHNICAL DATA SHEET

OLD MASTERS® WIPING STAIN

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

PRODUCT CODES:	111 Natural Tint Base	119 Cedar	128 Natural Walnut
	112 Golden Oak	120 Dark Walnut	129 Pecan
	113 Cherry	121 Special Walnut	130 American Walnut
	114 Red Mahogany	122 Spanish Oak	149 Crimson Fire
	115 Provincial	123 Fruitwood	150 Rich Mahogany
	116 Maple	124 Pickling White	151 Vintage Burgundy
	117 Early American	126 Aged Oak	152 Espresso
	118 Dark Mahogany	127 Weathered Wood	153 Carbon Black**

PRODUCT DESCRIPTION: Old Masters Wiping Stain is a cutting edge, robust interior oil-based stain for use on wood, fiberglass, coated metal and composition surfaces. This product is intended for interior use only.

SURFACE PREPARATION: All surfaces must be clean, dry, and free from dirt, wax, grease, glue, and other contaminants or penetration and adhesion will be affected. Wood surfaces must be sanded smooth. Remove dust with a tack rag or a lint-free cloth dampened with mineral spirits. Surface defects should be repaired with an appropriate patching material.

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.

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.

Application on Bare Wood (used as a stain): Color of stain will vary depending on wood type and porosity and method of application. After cleaning wood surface, sand with #120 or #180 sandpaper until smooth. Remove sanding dust. Apply stain liberally with brush, lint-free cloth, or spray until surface is completely wet. Allow to penetrate for 5 to 15 minutes. Wipe with a soft cloth, first across the grain, then with the grain. For a darker color, re-stain when first coat is dry. For a lighter color, wipe with a cloth dampened with paint thinner before the stain has dried.

Application on Fiberglass & Composition Surfaces: Stain one section or panel at a time. Apply a liberal coat of Wiping Stain with a firm synthetic brush or lint-free rag and work the stain across and into the grain uniformly, feathering out streaks while stain is wet. Wipe brush often on a lint-free rag to remove excess stain.

Application over Painted Surfaces (used as a glaze): Apply to thoroughly dry paint with cheesecloth or brush, using long, smooth strokes for simulated woodgraining, or blend gently from edges for other effects. Allow the stain to set up for approximately 5 to 10 minutes, then dry brush to subdue or blend. Allow stain to dry thoroughly (usually 12 hours or longer, depending on humidity and drying conditions). We do not recommend a lacquer-type finish over a glaze application.

Application over Previously Finished Surfaces: Lightly sand surface with very fine grit sandpaper or #0000 steel wool. Remove dust with a lint-free cloth or tack rag. With a foam or bristle brush, apply a thin uniform coat of Wiping Stain. Using a soft, dry bristle brush, make light, even strokes in the direction of the grain while allowing the grain pattern beneath the surface to show through. Continue to lightly brush the surface until the pattern is consistent and then allow the stain to dry. If you need to darken the color, apply an additional coat of stain in the same manner as the first coat. Allow stain to dry thoroughly (usually 12 hours or longer, depending on humidity and drying conditions).



OLD MASTERS® WIPING STAIN

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

COVERAGE: Approximately 500 square feet per gallon. Spreading rate will vary significantly depending on application method and condition of wood.

DRYING TIME: Approximately 10 hours, depending on humidity, temperature, and air movement. Dry times may also be extended due to excess stain application or lack of stain penetration. Wiping Stain can be topcoated after 12 hours, but stain must be thoroughly dry. 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.

** Due to the nature and depth of color for the stain color Carbon Black, the minimum dry time is 24 hours. Dry time may also be extended due to excess stain application or lack of stain penetration.

CLEANUP: 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.

FINISH COAT: We recommend Old Masters® 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 top coating.

MAX VOC: 250 grams/liter (2 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 seconds Ford Cup #2

VOCs: 250 grams/liter

VEHICLE: Oil

THEORETICAL COVERAGE @ Mil DFT: Not Applicable

RECOMMENDED DFT PER COAT: Not Applicable

COVERAGE @ RECOMMENDED DFT: Not Applicable

WEIGHT PER GALLON: 6.9 to 8.5 LBS

AVERAGE DRY TIME @ 70°F AND 50% R.H.:

Approximately 10 hours

** Minimum 24 hours for Carbon Black

RECOMMENDED THINNER:

Do not thin. Used as packaged.

Limited Warranty Since Old Masters 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 liability will under no circumstances exceed the replacement of the product.

Safety Data Sheets (SDS) are also available for this product.

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ILVA TECHNICAL DATA SHEET

PRODUCT SERIES: KLIMA

PRODUCT CODE: HTMB06x Series

DESCRIPTION: KLIMA UNICO Clear Self Sealer

PRODUCT PREPARATION:	HTMB06x Water	KLIMA Unico Clear Self Sealer Thinner	100 parts by weight or volume 0-5 % by weight or volume
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USES: Three coats. To be used as a self-sealer or final coat over tinted impregnator or colors. Not to be used as a clear finish over natural wood. For outdoor use. Excellent for finishing and protecting your exterior doors, railing, columns, decks, or exterior furniture. Easy application, excellent performance and environmentally safe.

APPLICATION SYSTEM: Spray, gravity gun, brush

FILM THICKNESS: 2.4-3.2 mils wet by brush, 3.2-4 mils wet by spray

GENERAL PROPERTIES:	Specific Gravity, gr/cc	1.020+/- .03
	Viscosity as supplied (Ford 6 cup)	20 +/- 2
	Solids, % by weight:	25 +/-2
	Thinner:	Water
	% of dilution:	5-6% depending upon equipment

DRYING TIME: (at 20°C/68°F)	Air Dry with ventilation, dry to handle:	
	Room temperature drying @18-22°C, 64-72°F	4 hours
	Stackable after room temperature drying	24 hours with spacers
	Hot air stages tunnel drying (20-40-60°C) (68-104-140°F)	
	complete drying	2 hours
	Stackable after jet hot air drying	8 hours with spacers

(Drying times can vary according to temperature, ventilation and relative humidity)

AVAILABLE SHEENS:	HTMB06B	80 Sheen
	HTMB06H	25 Sheen
	HTMB066	10 Sheen

ADDITIONAL TIPS: This product combines the stain, sealer and topcoat all in one product. All that is needed is to apply 3 coats of the same product. It can be used on table tops, furniture, doors, windows, and railings. The performance in sun and rain is exceptional.

SHELF LIFE: 12 Months

STORAGE: Store in a tightly closed container at room temperatures (18 -25 °C/64 -75 °F) and protect from moisture and foreign material. Do not store at temperatures below 7°C (45°F)

DATE OF ISSUE: 2-18, 4-19

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TECHNICAL DATA SHEET

PRODUCT CODE: WBV1090

DESCRIPTION: CLEAR WATERBASE 2K ISOLATOR

USES: 2K product for interior and exterior use. Very good bleed blocking properties on hard and soft woods. Suitable as a bleed blocker on refinished cabinets, furniture, doors, windows, and shutters. Excellent wetting properties and formulated to block most tannin and resins that are present in wood. If used in a clear finish it wets and warms and pops the grain like solvent base products. Minimal to no fiber swell on MDF.

APPLICATION SYSTEM: Conventional spray, airless, air mix

PRODUCT PREPARATION: Substrate preparation: Raw wood - recommended moisture content is 6-10%. Surface prep by removing all traces of grease, waxes and resins. Perform sanding with 150 grit paper for softwoods and 180 grit sandpaper for hardwoods.

Spray application

WBV1090	2K Isolator	100 parts
WBV1200	Long Pot Life WB Hardener	10-20 parts

See page 17 for further instructions

FILM THICKNESS: 4-6 mils wet per coat

COATS: One or two. Two coats with 24 hour dry, then sanding and topcoating for best results.

GENERAL PROPERTIES:

Specific Gravity, gr/cc	1.05 +/- 0.02
Viscosity*	30-40 sec +/-1
Solids, % by weight	41 +/- 1
Pot Life:	3 hours
* DIN 4 at 20°C/68°F	

DRYING TIME: Dust free: 45 minutes
(at 20°C/68°F) Handling: 2 hours
RH% between 45-65 Max time between coats without sanding: 2-4 hours
Stackable: 24-36 hours
Sandability: 12 hours

Dry in tunnel/oven: 100 g/m ²		
Flash off	30°C, 86°F	10 minutes
Laminar Air	45°C, 104°F	30 minutes
Cooling	20°C, 68°F	10 minutes
Stackable		at tunnel exit

NOTES: Mix the product before use. The product application on substrate must be done in an environment with no less than 15°C, (60°F). Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can normally be achieved.

SHELF LIFE: 12 Months

STORAGE: Store in a tightly closed container at room temperatures (18 -25 °C/64 -75 °F) and protect from moisture and foreign material. Do not store at temperatures below 7°C (45°F)

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