

ILVA TECHNICAL DATA SHEET

PRODUCT SERIES: KLIMA HARDWOOD SERIES

PRODUCT CODE: PN33/COLOR - see page #8 for list of colors

PRODUCT NAME: Klima Water Based Colored Impregnator for Hardwoods

DESCRIPTION: Impregnator based on synthetic mono-component resins in water dispersion, specific for coloring and protection of tannin-rich woods.

USES: Outdoor/indoor wood items, application on raw wood

APPLICATION SYSTEM: In order to reduce swelling of wood surface due to contact with water-based products, it is advisable to sand raw wood before application (150-180sandpaper). Wood surface must be free of dust and from any sap, oil, or resin traces. Raw wood humidity must be below 18%

FILM THICKNESS: 0.4-0.5 mils wet

COATS: One

GENERAL PROPERTIES:	Specific Gravity, gr/cc	1.010+/-0.02
	Viscosity as supplied (Zahn #2)	14+/- 2 sec
	Solids, by weight:	11+/-2
	May be thinned with water or TZ08	0-5%

DRYING TIME: At 70°F with good ventilation, dry to handle: 30 minutes
(at 20°C/68°F) Sandable, with Scotchbrite or sponge 1-4 hours

(Drying times vary according to temperature, ventilation and relative humidity)
Minimum temperature during application and drying must be above 60°F

COATING CYCLES: Cycle 1 - High Performance - Thixotropic Top Coat

Substrate:	Hardwood
Impregnator:	1 coat PN 33/color- drying time 1-4 hours
Sealer:	1 coat TN40 - drying time 2-4 hours
Top Coat:	1 coat TN931

Cycle 2 - High Performance - Thixotropic Topcoat

Substrate:	Hardwood
Impregnator:	1 coat PN33/color - drying time 1-4 hours
Top Coat as self sealing 1st coat	1 coat TN931
Top Coat:as self-sealing 2nd coat	1 coat TN931

It is possible to obtain custom colors mixing the PZ4/color pastes (PZ402 yellow, PZ406 red, PZ409 black) with the TN340

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PRODUCT CODE: PN33 Color, page 2

ADVANTAGES: PN33/ color does not form a film, thus it doesn't peel. It penetrates deeply into wood fibers, protecting wood from the destructive action of fungi.

Special iron-oxide-based pigments used in the formulation protect the wood from the degrading action of UV rays.

AVAILABLE COLORS: PN3011 Fir
PN3019 Myrtle
PN310 Teak
PN320 Lt Walnut
PN330 Dk Walnut
PN332 Chestnut
PN333 Cherry
PN338 Walnut
PN340 Antique Walnut
PN350 Douglas
PN360 Mahogany
PN370 Green Wood

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).

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