

ILVA TECHNICAL DATA SHEET

PRODUCT SERIES: KLIMA SERIES

PRODUCT CODE: TN030

DESCRIPTION: Klima Regenerator Clear Coat

USES: Used as a field maintenance product. Typically used once a year, or when necessary, on windows, doors, shutters or furniture. Product helps to maintain original performance.

APPLICATION SYSTEM: Clean with water and neutral detergents to remove dust and rain spots. Cleaning products containing acids or ammonia must be absolutely avoided, as they would attack the coating and damage it. If after the cleaning operations, the coating film appears to be in good condition (no cracking), we suggest proceeding with the application of TN030 Regenerator, wiping a cloth soaked in the TN030 on the entire surface.

FILM THICKNESS: 0.8-1.6 mils wet

COATS: One

GENERAL PROPERTIES:	Specific Gravity, gr/cc	1.013+/-03
	Viscosity as supplied (EN ISO 2431) ISO 3 cup	26 +/-2
	Solids, % by weight:	14+/-2
	Thinner:	Water
	% of dilution:	0-5%

DRYING TIME: At 20°C with ventilation, dry to handle:
(at 20°C/68°F)

Dust Free:	2 hours
Dry to touch:	12 hour
Full dried:	24 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 ISSUANCE: 2-18

EVERY REASONABLE PRECAUTION IS TAKEN IN THE MANUFACTURE OF OUR PRODUCTS TO INSURE THAT THEY COMPLY WITH OUR STANDARDS. INFORMATION GIVEN IS CORRECT TO THE BEST OF OUR KNOWLEDGE. ANY SUGGESTIONS MADE BY US COVERING THE USE OF OUR PRODUCTS ARE BASED ON EXPERIENCE AND/OR TESTS BELIEVED TO BE RELIABLE. HOWEVER, BECAUSE THE USE OF ANY PRODUCT OF OUR MANUFACTURE IS COMPLETELY BEYOND OUR CONTROL, INCLUDING FOR EXAMPLE, THE METHOD AND CONDITIONS OF APPLICATION, NO GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE. MANUFACTURER'S MAXIMUM LIABILITY SHALL BE TO REPLACE SUCH QUANTITY OF PRODUCT DETERMINED BY OUR LABORATORY TO BE DEFECTIVE. USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR HIS INTENDED USE AND ASSUME ALL RISK AND LIABILITY IN CONNECTION THEREWITH.

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PRODUCT SERIES: KLIMA SERIES

PRODUCT CODE: TN090

DESCRIPTION: Klima Honeytone Maintenance by Brush

USES: Used as a field maintenance product for wood tone finishes

APPLICATION SYSTEM: When doing a complete restoration, remove the damaged coating using 150-180 grit sand paper. Further prepare the wooden surface by sanding down with 240 grit paper to bare wood. Using a brush, apply the desired color impregnator and let dry for at least 4 hours. Next, apply 2 layers of TN090 Maintenance Coat by brush.

FILM THICKNESS: 3.2-4 mils wet

COATS: One

GENERAL PROPERTIES:	Specific Gravity, gr/cc	1.038+/- .03
	Viscosity as supplied (Ford 4 cup)	83 +/-5
	Solids, % by weight:	40.5 +/-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: 4 hours
Full dried: 72 hours

(Drying times may vary according to temperature, ventiation 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)

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HELPFUL HANDLING & MIXING INSTRUCTIONS

FOR GREEN HART, IROKO, CEDAR AND SIMILAR WOODS THAT BLEED:

The use of a solvent base barrier coat is necessary to block the bleeding of tannins on some types of exotic hardwoods and softwoods. Product code TDS500, a two component acrylic solvent base isolator, is recommended.

APPLICATION METHOD:

Klima waterbase products may be applied by spray, brush, and flow coater, in some cases. See the individual item tech data sheet for more information. If retarding is necessary due to high temperature or for flowout or brush application, we recommend using our PX0/03 retarder. Use at 1%-5% in impregnators and 1%-3% in coating products. An alternative retarder is our code TZ88 at 1%-3%. TZ88 is a blend of water/TZ08 at 80/20. Do not apply water base products below 64°F or 16°C.

DRYING:

All waterbase products require good ventilation for drying. The use of fans will dramatically improve dry times during factory application. Do not put finished pieces directly in air flow from the fan while coating is still wet.

Providing sealer and topcoat films are not sticking to the sandpaper, the coatings may be sanded. A good rule of thumb is if you can flick the sandpaper with your finger and all the dust comes off, it is ok to sand. Indications regarding sandpaper sizes are optional. The finer the grit, the smoother the finishes will be. All Klima products will tend to hide sand marks due to their filling properties.

Drying times of Klima coatings will be increased on wood that has poor absorption characteristics and by cold, wet weather. It is always advisable to run short tests with these products to verify if the result obtained is suitable. Wait for a minimum of 3 days before installing factory applied finishes.

If doing an onsite exterior application or if factory applied finishes are installed before completely cured, you may experience white spots or hazing of the film from early exposure to precipitation or cold weather. This is normal and will generally correct itself. Do not touch, but allow the film to dry and reach normal temperature drying conditions.

GENERAL INFORMATION:

Do not use steel wool for sanding the raw wood since residual metal dust can cause rust spots. In the case of exotic and resinous woods, clean the substrate well before coating. For better color uniformity, clean with a dry brush or rag after 15-30 minutes in order to remove excess product not absorbed. When recoating previous coatings, it is best if all of the old film is completely removed by sanding or stripping. Hardwoods usually need a superior number of coats.

RECOMMENDED STORAGE

All water based products should be stored in tightly closed containers at temperatures above 41°F

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