

APPLICATION OVERVIEW

KP-5 Wood Impregnator: A water borne modified alkyd, penetrating wood treatment designed as a clear, protective primer. KP-5 offers protection against wood rot and discoloration. KP-5 is topcoat-able with any finish and will not alter the color of subsequent coats.

FEATURES

- Near invisible for superior clear, or light wood tones
- Deep wood penetration
- Allows wood to breathe
- Clean up with soap and water
- UV
- Wood impregnator, water repellent
- Protects from wood rot and discoloration
- Applicable to wood moisture content up to 20%
- Concentrated formula, reduce 2:1

KP-5 can be tailored to OEM needs to meet application and durability requirements. Water hold out, UV resistance, dry time and application methods are customizable.

IMPORTANT

Product Data Sheets are based on "ideal" work conditions. Due to wood variability and varying environmental conditions, it is strongly recommended that the end-user needs to determine that the application conditions, coating product system, and techniques are suitable to reach the desired results. Please see Conditions of Sale.

APPLICATIONS

Use Sansin KP-5 at a 2:1 dilution in water on timbers, dimensional laminated lumber and engineered wood to help protect surfaces from moisture and biological attack. Can be used as a primer coat for Sansin Precision Coat formulas on interior and exterior wood surfaces. KP-5 is not tintable for decorative purposes, only traceability.

FORMULAS

KP-5C: Concentrated formula protects wood from rot and discoloration.

COLORS

KP-5 is not tintable for decorative purposes, only traceability.

CHARACTERISTICS: KP-5C

- Appearance..... Clear/Beige
- Odor Low
- Form Liquid
- Specific Gravity 1.0-1.1
- Density 8.36lbs per Gal
- pH, (approx).....>8.5 min
- Viscosity.....16-18 Sec Z #2
- Solvents.....Water
- Diluent.....Water
- Cleanup..... Soap and Water
- Drying Time (to touch) @20°C (68°F) 2 hrs
- Drying time (to Recoat) @20°C (68°F).....Up to 6 hrs
- Coverage for RTU..... 6 Mil (270 sq.ft./US Gal)
- VOC40 (g/L)
- VOC Diluted.....13 (g/L)

PACKAGING

5-Gallon pails, 50-Gallon drums, 1000 liter totes, bulk. 5 Gallons of concentrate makes 15 Gallons of ready to use product.

PREPARATION

PREPARATION IS KEY TO A SUCCESSFUL PROJECT

- Inspect the entire surface for defects and deterioration. Repair and replace defects where necessary.
- Sand wood surfaces to achieve a clean, even surface with 60-80 grit paper using variable speed random orbital sander. For interior

applications, finer grit may be used. Radius corners and remove any sharp edges to improve abrasion resistance.

- Follow with an appropriate cleaning method such as vacuum or compressed air.

APPLICATION METHODS

Apply to the point of saturation by any agreeable method. End grain should receive 2 applications for improved water-repellent efficiency where necessary. Can be applied by brush, spray or factory applied.

WORKING PROCEDURE

- Stir product well before use and regularly during use.
- 2 to 1 Concentrate, Dilute accordingly
- Applicable over wood products with moisture content of up to 20%.
- For best results apply a flood coat of KP-5 to the point of refusal. Back brush the surface a few minutes after application to level treatment.
- Apply in proper conditions; ideal temperature of 10-23°C (50-75°F) with relative humidity of approximately 50%.
- Allow 2-6 hours of drying time @ 20°C (68°F).
- Environmental conditions impact drying time.

STORAGE

Shelf life when stored at ideal conditions is 24 months (2 years). Store at a temperature of between +5°C and +25°C (41°F and 77°F). Keep containers tightly closed. For tank treatment, cover the dipping tank when not in use to prevent the evaporation of the VOC.

SAFETY

See Material Safety Data Sheet

WARNING TO USERS

Keep out of reach of children, if swallowed immediately drink two glasses of milk or warm water. Do not induce vomiting. Call physician immediately. Avoid contact with skin or eyes; flush with soap and water. Avoid breathing of vapor or mist. Wear a properly fitted NIOSH approved respirator. The information contained in this document is given in good faith based on our current knowledge. The use of the product is beyond the control of The Sansin Corporation, and no guarantees, expressed or implied, are made as to the result to be obtained if not used in accordance with the published Directions for Use. The Sansin Corporation does not assume any legal responsibility for use or reliance on same. This information must on no account be used as a substitute for necessary field tests, which alone can ensure that the product is suitable for the expected use. Before using any product, read its label.

KP-5

ENVIRO STAIN®



1
COAT 

UV
RESISTANT 

ECO
FRIENDLY 

BREATHABLE 



KP-5



CONDITIONS OF SALE

The only obligation of the manufacturer and seller shall be to replace such quantity of Sansin product that is proven to be defective. Proof of purchase is required. Seller or manufacturer shall not be liable for any loss or damage connected with the use and/or handling of this product. All labor costs are specifically excluded. User should determine suitability of product for the intended use before application. User assumes all risk and liability in connection therewith. This warranty is expressly made in lieu of any and all other rights, warranties, conditions and remedies, express or implied, including but not limited to any implied warranty or condition of merchantability, fitness for a particular purpose, and any warranty or condition arising out of a course of dealing, a custom or usage of trade. If any distributor or seller of product offers warranties or remedies which differ from those offered by Sansin. Sansin accepts no responsibilities for such warranties or remedies.

PRECISION COAT KP PRODUCT LINE COMPARISON

	AMBERING	TINT FOR COLOR	WATER RESISTANCE	ANTI-SWELL EFFICIENCY	DIMENSIONAL STABILITY	UV PROTECTION	DRY TIME	CONCENTRATE	READY TO USE	COST
KP-12W	1	3	2	3	3	2	1		YES	\$\$
KP-12WC	2	3	1	2	3	2	1		YES	\$\$
KP-12WFD	1	3	2	2	3	1	3		YES	\$\$
KP-12UVW	1	3	1	2	3	2	3	1:1		\$\$\$
KP-12UVWFD	2	3	1	2	3	2	1		YES	\$\$\$
KP-11S	2	3	1	1	2	2	1		YES	\$\$
KP-11C	2	3	1	1	2	2	1	1:1		\$\$
KP-11SUV	3	3	2	1	2	3			YES	\$\$
KP-5C	2	0	1	1	1	1	3	2:1		\$
KP-14	2	0	3	3	0	0	3		YES	\$\$

GLOSSARY:

Ambering: Wood Warmth: 2 = Mild, 3 = Modest

Tint for Color: Can add colorant to product base: 0 = No, 3 = Yes

Water Resistance: Water Beading: 1 = Good, 2 = Modest, 3 = Excellent

Anti-Swell Efficiency: 1 = Modest, 2 = Good, 3 = Excellent

Dimensional Stability: 0 = None, 1 = Modest, 2 = Good, 3 = Excellent

UV Protection: 0 = None, 1 = Modest, 2 = Good, 3 = Excellent

Dry Time: 1 = Longer, 3 = Faster

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