

Precision Coat KP-12^{FD} Protective Undercoat: Penetrating aqueous low-VOC protective undercoating for structural wood, dimensional lumber, engineered wood and mass timber subject to wet conditions. Designed for machine and HVLP airless application, this tintable formula reduces swelling, wood rot, moisture absorption and protects against UV degradation and staining. Can be used as part of an architectural coating system.

FEATURES

- Protects wood and prevents weathering during storage, handling, shipping, staging and installation
- Permanent wood treatment; creates a monolithic bond with wood
- Stabilizes wood components; reduces warping and checking
- Improves top coat performance
- Protection for wood tissue and lignin
- Water repellency
- Near-invisible for superior clear or light wood tones
- For interior and exterior wood surfaces
- Deep wood penetration
- Allows wood to breathe
- Applicable to wood with a moisture content of up to 20%
- Clean-up with soap and water
- Tintable
- Application-friendly for large surface areas

IMPORTANT

KP-12^{FD} is formulated for engineered application drying technologies. Testing is recommended.

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-12^{FD} on timbers, dimensional laminated lumber and engineered wood components like CLT to enhance dimensional stability and to protect surfaces from UV degradation and moisture absorption. Using KP-12^{FD} to protect wood during the manufacturing and construction process reduces in situ preparation and top coat application costs while dramatically improving topcoat performance. Can be applied as an undercoat to Sansin Precision Coat formulas for both interior and exterior wood surfaces. All KP-12^{FD} formulas are ready to use.

FORMULAS

KP-12W^{FD}: provides enhanced water repellence and excellent hold-out against water absorption. Protects timbers and engineered lumber against wood rot; protects end grain and exposed wood joinery and surfaces that are exposed to weathering and moisture.

KP-12UVW^{FD}: combines long-term UV protection with enhanced water repellence and excellent hold-out against water absorption for timbers and engineered lumber. Protects wood against wood rot and weathering during construction.

Sansin KP-12^{FD} formulas are intended as a permanent finish that should be applied to clean porous substrates in a factory setting in accordance with Directions for Use. DO NOT mix KP-12^{FD} formulas with each other or with any other formulas.

COLORS

KP-12^{FD} products are tintable to compliment the finishing system in color depth and durability depending on project requirements.

When used as part of an architectural coating system, KP-12 tinted can be used as the first coat.

CHARACTERISTICS: KP-12W^{FD}, KP-12UVW^{FD}

• Appearance	Beige
• Odor	Low
• Form	Liquid
• Specific Gravity	1.01-1.03
• Density	8.4-8.6lbs 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)	1 hrs
• Drying time (to Recoat) @20°C (68°F).....	Up to 6 hrs
• Coverage	6 Mil (270 sq.ft./US Gal)
• VOC	35 - 42 (g/L)

PACKAGING

5-Gallon pails, 50-Gallon drums, 1000 litre totes, bulk.

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.

WORKING PROCEDURE

- Stir product well before use and regularly during use.
- Applicable over wood products with moisture content of up to 20%.
- For best results apply a flood coat of KP-12^{FD} to the point of maximum absorption. Always backbrush the surface a few minutes after application to level treatment.

KP-12TM

ENVIRO STAIN[®]



1
COAT

REPELS
WATER

UV
RESISTANT

DEEP
PENETRATING



KP-12™



- Apply in proper conditions; ideal temperature of 10-23°C (50-75°F) with relative humidity of approximately 50%.
- Allow adequate dry time controlled by temperature, relative humidity, wood moisture content, airflow and production techniques. Drying time @ 20°C (68°F).
- Environmental conditions impact drying time.

STORAGE

Store at a temperature of between +5°C and +25°C (41°F and 77°F). Keep containers tightly closed. Cover the dipping tank when not in use.

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.

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.

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