

**KP-14+ Vapor Permeable Barriercoat:** KP-14 is a 1-coat, highly durable waterborne membrane coating that is low in VOC's. KP-14 can be field or factory applied to KP-12 treated surfaces. This system will aggressively reduce moisture absorption and water-staining.

## FEATURES

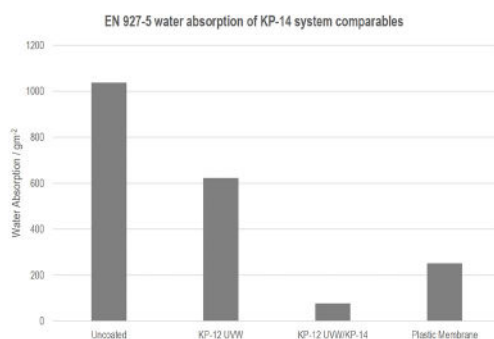
- Protects wood from weathering and water absorption during the installation process
- Aggressive moisture protection conforming to EN927-2 for use in stable constructions
- High vapor permeability
- Vapor desorption efficiency comparable to bare wood
- Reduces water absorption by more than 90% confirmed by EN927-5
- UV Resistant

## IMPORTANT

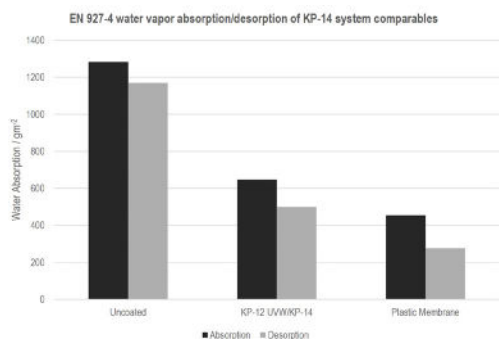
Product Data Sheets are based on "ideal" work conditions. Due to wood variability and varying environmental conditions, it is strongly recommended that the end-user determines that the application conditions, coating product system, and techniques are suitable to reach the desired results. Please see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

## APPLICATIONS

Use Sansin KP-14 on dimensional laminated lumber and engineered wood components like CLT to protect exposed horizontal surfaces from moisture absorption during construction. KP-14 is not intended as a decorative coating.



**Figure 1:** A graph showing the water permeability of KP-12UVW and KP-14 systems according to EN927-5.



**Figure 2:** A graph showing the water vapor absorption and desorption of KP-12UVW and KP-14 systems according to EN927-4.

## PACKAGING

5-Gallon pails, 1000 litre totes, bulk.

## CHARACTERISTICS: KP-14

- Appearance .....Clear
- Odor .....Low
- Form .....Liquid
- Specific Gravity .....1.02-1.04
- Density .....8.5-8.68 lbs per Gal
- pH (approx).....8.8 min
- Viscosity.....20-23 Z#5
- Solvents.....Water
- Diluent.....Water
- Cleanup.....Soap and Water
- Drying Time (to touch) @20°C (68°F).....<2 hours at 50% humidity
- Coverage .....200-250 sq.ft./US Gal
- VOC (g/l).....Actual – 31.8/Regulatory – 90.8

## 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.
- Radius corners and remove any sharp edges to improve abrasion resistance.
- Follow with an appropriate cleaning method such as vacuum or compressed air.
- Coat all surfaces with the penetrating first coat KP-12 to the point of saturation
- Apply an extra coat of KP-12 to the end grain for improved water-repellent efficiency where necessary

## APPLICATION METHODS

KP-14 can be applied by spray, roller or brush to surfaces previously coated by KP-12.

## WORKING PROCEDURE

- Apply only to KP-12 treated surfaces
- Stir product well before use and regularly during use.
- Apply a manageable film thickness of 7-8 wet mils.
- Allow 4-6 hours of drying time @ 20°C (68°F)
- Ensure a minimum dry film thickness of at least 2.8 mils for optimum protection.
- Do not apply in heat of day or direct sunlight
- Do not apply on wood that is warm to touch
- Do not apply if rain or near freezing temperatures if expected.
- Apply in proper conditions, ideal temperature of 10-23° C (50-75° F) with relative humidity of approximately 50%
- Packing and Stacking: Test methods and materials used when packing to ensure good block resistance.
- Touch up: Inspect surfaces for damage from time to time and spot apply KP-14 by brush or agreeable method where necessary.

# KP-14+

ENVIRO STAIN®



1  
COAT

REPELS  
WATER

UV  
RESISTANT

BREATHABLE



SANSIN®

# KP-14



## STORAGE

Shelf life when stored at ideal conditions is 6 months. Store at a temperature of between +5°C and +20°C (41°F and 68°F). Keep containers tightly closed.

## 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.

### KP-14 System After 16 Week Horizontal Exposure Test

(December-April) Ontario, Canada Test Field

	Topside	Underside
Control Panel	 <p><i>Weathered, UV Damaged, Moldy</i></p>	 <p><i>Water Damage</i></p>
KP-14 Panel	 <p><i>No UV Damage, No Mold</i></p>	 <p><i>No evidence of water damage through CLT panel*</i></p>

\*Test panels 60cm x 90cm (24in x 36in). See conditions of sale and product data sheet.

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