

**Precision Coat KP-32** is a highly protective, exceptionally durable finish for application as the second, third or maintenance coat to KP-30 coated surfaces. KP-32 will build a low luster, natural finish. KP-32 is UV stable, water-repellent, low in VOC's, with easy soap and water clean-up. KP-32 will not crack, peel or blister.

## FEATURES

- Designed for machine application
- Standardized production quality control
- Non-flammable
- Low-VOC
- UV stable
- Water repellent
- Creates a monolithic bond with wood for long-term protection
- Limited Warranties available

## 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

- Cladding
- Laminated Timbers
- Thermally Modified solid timbers
- Acetylated & Thermally modified timber

## COLORS

The Precision Coat KP-30 system facilitates complete control of finish clarity, color and grain definition, in an exceptionally durable, beautiful wood coating. Designers and factory finishers can utilize Sansin's color lab, or work within the guidelines provided to qualified finishers, to reliably balance beauty and durability. Available in standard and architectural custom colors.

Color	Clarity & Definition
Naturals	Transparent
Translucent	Semi-Transparent
Saturated	Solid/Semi-Solid
Solid	Opaque

## COATING SCHEDULE

Finish	1st Coat	2nd Coat	3rd Coat
Natural	KP-30	KP-30	
Low Luster	KP-30	KP-32	KP-32
Full Finish	KP-30	KP-50	KP-50

Acetylated or thermally modified wood requires a 3 coat system of a penetrating undercoat and 2 coats of KP-50 or KP-32, appropriately colored. Minimum microns/dry mil thickness of 3.5 mil (88.9 µm) is required.

## TINTABLE BASES

Sansin PC KP-32 is available in two tintable bases:  
0-Base and 2-Base.

## PACKAGING

1 US Gallon (3.78 Litres), 5 US Gallons (18.92 Litres) pails and 264 US Gallons (1000 Litre) totes.

## CHARACTERISTICS - PRECISION COAT KP-32

- Wet Film Thickness.....6 wet mils (152.4 µm)
- Coverage.....267 ft<sup>2</sup>/US Gallon (6.55 m<sup>2</sup>/L)
- Coloring.....Standard and Custom
- Color Wet.....Milky White
- Gloss.....Satin
- Odor.....Low
- Form.....Liquid
- Specific Gravity.....1.02-1.04
- Density.....8.5-8.7
- pH (approx).....8.8-9.0
- Viscosity, #2 ZAHN Cup, 20°C (68°F).....25-29 sec.
- Solvents.....Low
- Freezing Point.....-1°C (31°F)
- Diluent.....Water
- Cleanup.....Soap and Water
- Drying time (to touch) @ 20°C (68°F).....4-6 hours
- Sag resistance.....5-6 wet mils (127-152.4 µm)
- VOC (g/L).....Actual 74/Regulatory 210

## PREPARATION

- Inspect the entire surface for defects and deterioration. Repair and replace defects where necessary. Use Sansin Multi-Wash to clean and rinse well using a pressure washer.
- Scuff sand existing KP-30 surface if necessary. Clean, Allow to dry.
- Apply directly after penetrating coat KP-30 has dried.

## APPLICATION METHODS

- Precision Coat KP-32 may be applied with a flood coater and back brushed or with spray application to 5-6 wet mils.

## WORKING PROCEDURE

- Test formula on an inconspicuous wood surface to ensure proper color and penetration.
- Apply in proper conditions, ideal temperature of 21°C (70°F) and relative humidity of approximately 50%.
- For best results, apply a flood coat of KP-32, to a point of maximum absorption. Always back-brush the surface a few minutes after application.
- Consider scuff sanding between coats to denib, as needed.
- Continually check the surface; wipe up all puddles and brush out any runs.
- Do not apply in the heat of day or in direct sunlight as this will cause surface filming and limit penetration which may result in peeling at a later date.
- Do not apply if rain or near-freezing temperatures are likely to occur within 24 hours after application.
- When using a tinted product be sure to stir well before and during application.
- Always read published directions for use prior to beginning a project.

KP-32

ENVIRO STAIN®

2  
COAT REPELS  
WATER UV  
RESISTANT ECO  
FRIENDLY 

SANSIN™

# KP-32



## MAINTENANCE

Vertical surfaces require maintenance within 6 years on solid timber. Acetylated products require maintenance within 5-8 years depending on exposure levels. Maintenance is necessary when the surface shows signs of wear, such as fading or erosion. Maintaining your wood on a regular basis will ensure long-lasting color retention, exceptional dimensional stabilization and effective water repellance. Annual inspection is highly recommended, clean the wood surface with a nylon brush and soap or Sansin Multi-Wash to remove dirt and residue. Maintenance frequency will depend on the initial application quality and weather exposure. If fading or erosion is evident, prepare wood by using a nylon brush and soap to lightly clean the wood surface; or use Sansin Multi-Wash. To spot repair, re-apply one maintenance coat of Precision Coat KP-32 according to instructions in an appropriate color formula.

## STORAGE

Shelf life when stored in ideal conditions is 18 months. Store at a temperature of between +10°C and + 30°C (50°F and 86°F). Keep containers tightly closed.

## LIMITED WARRANTIES

Factory finish materials and application must comply with Sansin's prescribed Quality Control system to be eligible for warranty. To help achieve this objective, we suggest utilizing Sansin IRIS' Quality Control Sample Program. Warranties are developed in partnership with our factory finishers based on the requirements of their products, and range from 4-8 years for natural, transparent and clear finishes, and 10-20 years for solid hide finishes (depending on substrate, finish type, opacity and characteristics of finish). Contact your factory finisher for details.

## SAFETY

See Material Safety Data Sheet.

## CONSIDERATIONS

Ambering - Ambering (darkening) could occur in the absence of light, but is reversed when subjected to standard light energy.

Thermally Modified Wood (TMW) - Thermal modification treatments fundamentally change the properties of wood resulting in higher susceptibility to UV degradation.

Light Transparent Tones - Light transparent tones are more susceptible to substrate discoloration visibility and UV degradation.

## 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/MSHA 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, is 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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