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**SEALS IN SAP RESIN  
FROM WOOD KNOTS****FAST DRYING SOLUTION  
IN WHITE OR BROWN****OIL AND SPIRIT  
RESISTANT FILM****Description:**

LANGLOW PATENT KNOTTING SOLUTION is an alcohol based natural laquer and synthetic resin solution suitable for use on all types of soft timbers where the professional decorator has identified the need to seal in the substrate's natural wood oils and resins and prevent them rising through any subsequently applied painted coating and staining or distorting the colour and consistency of the final finish. The film-forming resins in knotting solution are unaffected by natural tree sap as well as being insoluble in hydrocarbon solvents such as white spirit, which are normally used in traditional alkyd based primers and decorative coatings. The insolubility and oil-resistance of this resin prevents any interaction between the paint and the softwood sap resins which remain concentrated around the knot features typically found in many common structural timbers used in doors, skirtings, stair rails and window frames. The net effect being that LANGLOW PATENT KNOTTING SOLUTION enables the professional decorator to achieve the perfect finish irrespective of the knot structure and condition of the base timbers. LANGLOW PATENT KNOTTING SOLUTION is available as a brown or off-white resin base, the latter drying to a virtually clear, colourless film.

**Preparation:**

Ensure all timbers are structurally sound, dry, conditioned to the installation environment and free from surface contamination. To get the full benefit of this treatment, any timbers previously treated with paint, varnish or any surface sealer should be stripped back to bare wood before applying with this product. Prior to applying PATENT KNOTTING SOLUTION timbers should be fine sanded to a smooth finish and wiped clean of any excess material and resins with a cloth soaked in white spirit and then allowed to dry so they are completely free from any surface contaminants. Application should only proceed in a dry environment where there is no risk of moisture or surface contamination affecting the timber either before or immediately after treatment.

**Application:**

LANGLOW PATENT KNOTTING SOLUTION is applied by a fine brush, working with an even coating action over the knotted and resinous of the timber to achieve a regular consistent finish. Care should be taken to avoid over applying this product as this will lead to prolonged drying and excessive surface darkening. Excess solution or unintended runs should be wiped clear with a cloth dampened with Methylated Spirits to ensure a thin even layer is applied with each coat. Drying times will depend greatly upon timber porosity, temperature and humidity and care should be taken to avoid contact with treated surfaces until they are thoroughly dry to the touch. Generally on a smooth finished timber surface at a temperature of about 20°C, one coat of PATENT KNOTTING evenly applied will take no more than about 1 hour to dry in well-ventilated conditions.

PATENT KNOTTING SOLUTION can be removed from brushes or surrounding surfaces by washing with METHYLATED SPIRIT.

**PRECAUTION: PATENT KNOTTING SOLUTION may not be effective in preventing resin bleed through a subsequently applied coating where this is based on either water-based paint or formulations which contain either glycol or alcohol related solvents.**

**Coverage:**

Depending upon the texture and porosity of the timber, LANGLOW PATENT KNOTTING SOLUTION when applied as a very thin single coat on a smooth hardwood surface will cover at the rate of about 100ml per 3 to 4 square metres, either by brush or smooth cloth method. Please note that this product is not intended for use as a full area coating, but should be applied specifically where knots and resinous patches are evident in the base timber.

**HEALTH & SAFETY:**

HIGHLY FLAMMABLE

HARMFUL by inhalation, in contact with skin & if swallowed

HARMFUL: Possible risks of irreversible effects through inhalation, skin contact & if swallowed

Keep locked up and out of the reach of children; Keep container tightly closed

Keep away from sources of ignition; Wear suitable protective clothing & gloves

In case of accident or if you feel unwell, seek medical advice immediately.



**HIGHLY  
FLAMMABLE**



**HARMFUL**

**Storage & Packaging:**

LANGLOW PATENT KNOTTING SOLUTION is available in 250ml, 500ml, 1 litre, 2.5 litre, & 5 litre containers.

Store in cool, well-ventilated conditions and do not expose to extreme temperatures or sources of ignition.

Should further more specific technical information be required, contact the Palace Technical help-line on 0151 486 6101.

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