

# **Patent Knotting**

## **Product Information Sheet**

### **Description**

Bartoline Patent Knotting solution is an alcohol based natural lacquer 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, skirting's, stair rails and window frames. The net effect being that Bartoline Patent Knotting Solution enables the professional decorator to achieve the perfect finish irrespective of the knot structure and condition of the base timbers.

### **Directions**

#### **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 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**

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 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.

## **Precautions**

Patent Knotting Solution may not be effective in preventing resin bleed through a subsequently applied coating where this is based on either a water based paints or formulations which contain alcohol related solvents.

## **Health and Safety**

See MSDS for full information

Highly flammable. Harmful by inhalation, in contact with skin and if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

## **Technical Data**

<b>Physical State:</b>	Liquid
<b>Form/colour:</b>	Dark brown opaque liquid
<b>Odour:</b>	Alcoholic
<b>Flashpoint (PMCC)</b>	12 Deg C
<b>Auto ignition Temperature:</b>	420 Deg C
<b>Explosive Limits (In Air):</b>	4.3 -19.0 %
<b>Vapour Pressure @ 20 Deg C</b>	58mBar
<b>Evaporation Rate: (nBut Ac=1)</b>	0.75
<b>Density</b>	0.85
<b>Solubility</b>	Highly polar Solvents

<b>VOC Classification:</b>	EU limit value for this product (Cat A/h): 750g/l (2007) / 750g/l (2010) – Binding primer. This product contains max 625g/l VOC
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## **Packing Specification**

<b>Product / Pack Size</b>	<b>Quantity Per Carton</b>	<b>Cartons / Drums Per Pallet.</b>
500 ml PET Bottle	12	88

## **Customs Tariff Code**

3210 0010

## **Shipping Classification**

<b>Correct Shipping Name:</b>	Paint (Ethanol)
<b>Classification:</b>	Class 3
<b>UN Number:</b>	UN 1263
<b>Packing Group:</b>	II
<b>Flash Point:</b>	12 Degrees Celsius
<b>Additional Information:</b>	Marine Pollutant