

Ver 03 - PALPKS 19.08.21

PATENT KNOTTING SOLUTION

RAW WOOD KNOTTING SOLUTION

- SEALS IN NATURAL WOOD SAP & RESIN
- PREVENTS KNOT SAP BLEEDING THROUGH
- FILM IS INSOLUBLE WITH OIL BASED PAINTS
- QUICK DRYING SOLUTION
- DRIES TO A PALE TRANSLUCENT FILM



PALACE PATENT KNOTTING SOLUTION

Is an alcohol based resin solution, for use on a wide range of soft timbers. Patent Knotting solution seals the substrates natural wood oils and resins, preventing them rising through any subsequently applied painted coating. It also inhibits staining and colour distortion of the final finish.

SEALS NATURAL
SAP & RESIN

FOR USE ON A WIDE RANGE OF
SOFT TIMBERS



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

PALACE CHEMICALS LTD

SPEKE HALL INDUSTRIAL ESTATE

SPEKE LIVERPOOL L24 1YA

TEL: 0151 486 6101 - FAX: 0151 448 1982

E-MAIL: SALES@PALACECHEMICALS.CO.UK

PALACE PATENT KNOTTING SOLUTION

Raw Wood Knotting Solution



DESCRIPTION

PALACE 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, skirtings, stair rails and window frames. The net effect being that **PALACE PATENT KNOTTING SOLUTION** enables the professional decorator to achieve the perfect finish irrespective of the knot structure and condition of the base timbers. **PALACE 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 **PALACE 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 METHOD

PALACE 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 **PALACE PATENT KNOTTING SOLUTION** evenly applied will take no more than about 1 hour to dry in well-ventilated conditions.

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

PRECAUTION: PALACE 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, **PALACE 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.

STORAGE AND PACKAGING

PALACE 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.

HEALTH AND 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.



HARMFUL



HIGHLY FLAMMABLE

A complete PALACE material safety data sheet is available on request or online at www.palacechemicals.co.uk



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

PALACE CHEMICALS LTD

SPEKE HALL INDUSTRIAL ESTATE

SPEKE LIVERPOOL L24 1YA

TEL: 0151 486 6101 - FAX: 0151 448 1982

E-MAIL: SALES@PALACECHEMICALS.CO.UK

PATENT KNOTTING SOLUTION

Raw Wood Knotting Solution



QUALITY AND ENVIRONMENT

All Palace Chemicals products are manufactured under a BSI accredited ISO 9001:2015 Quality Management System, along with an ISO 14001 Environmental Management system continually working to reduce our carbon footprint.

TECHNICAL ADVISORY SERVICE

Should more specific technical information be required, contact the Palace Technical helpline on: **0151 486 6101**.

For a Technical Specification and quantity requirements, visit our 'TilingSpecifier' on the Palace website at:

<http://www.palacechemicals.co.uk>

DISCLAIMER

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate, however it is given without guarantee, as conditions of use and workmanship involved are both beyond our control. All information supplied is subject to the company's terms and conditions of sale, copies of which are available on request.



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

PALACE CHEMICALS LTD

SPEKE HALL INDUSTRIAL ESTATE

SPEKE LIVERPOOL L24 1YA

TEL: 0151 486 6101 – FAX: 0151 448 1982

E-MAIL: SALES@PALACECHEMICALS.CO.UK