

Resin Bleed

Most Pinus Species (softwoods) irrespective raw or treated contain resin, a mix of turpentine and rosin which under certain conditions will exude from, heartwood and sapwood onto the surface of the timber or may occur through the painted surface as the resin leaches through the paint coating. In some instances, resin bleed does not appear to damage the coating, in other instances, resin bleed causes discolouration of the painted surface, severe instances may exhibit themselves as crusty crystallized substances on the surface while being soft and viscous underneath. Knots whether visible or concealed often have higher concentration of resin and can result in discolouration of the painted surface, this is known as knot bleed.

Examples of resin / knot bleed



Common causes

- High moisture content – usually from inadequate handling and or storage
- Spirit based solvents in paints, lacquers and treatments
- The non-use of primers and undercoats without a stain blocking agent
- Presence of visible or concealed knots and defects
- Hot sheltered areas
- Heat generated from sanding
- Direct sunlight for prolonged periods
- Dark painted colours (LVR less than 45%)

Repairs often provide a reprieve however the prevention of any future resin transfer can't be guaranteed.

Remedies

For light discolouration, light sand and spot prime using premium quality oil based primer/undercoat or recommended primer undercoat with blocking agent, allow 24hrs to dry and repaint affected areas.

- ❖ For sever instances, physically remove all solid resin, sand affected area with coarse sandpaper, use low speed power sander or hand sand to avoid heating resin therein.
- ❖ Allow to acclimatize or weather for an extended period, dependent on severity this could be a week or more to allow resins to drain naturally. Repeat removal sanding and acclimatizing and weathering if necessary.
- ❖ Prime using premium quality oil based primer/undercoat or recommended primer undercoat with blocking agent, allow 24hrs to dry and repaint affected areas.

Note: Resin bleeds are unpredictable, once affected there is no guarantee this occurrence can be prevented from continuing. Special primer paints have been formulated to lessen resin and knot bleed show through in the top coat of paint. Seek advice from all quality paint manufactures on their recommendations.