



# Timber Coatings Trouble Shooting Guide

PROBLEM	CAUSES	PREVENTION / RECTIFICATION
Dust/Dirt	<ul style="list-style-type: none"> <li>From surroundings</li> <li>Draft</li> <li>From curtains, skirting boards etc.</li> <li>Animal Hair</li> <li>Insufficient suction of vacuum</li> </ul>	<ul style="list-style-type: none"> <li>Thorough cleaning prior to coating application (ie skirting boards, blinds and vacuuming of floor)</li> <li>Cover curtains with plastic bags</li> <li>Close job site during application and initial drying period</li> <li>Do not open job site for at least 6-8 hours after application of final coat for floor finishes.</li> </ul>
Fibres	<ul style="list-style-type: none"> <li>From roller and equipment</li> </ul>	<ul style="list-style-type: none"> <li>Thorough cleaning prior to coating application</li> <li>Clean roller with recommended cleaning solvent</li> <li>Do not use a new roller for final finish</li> </ul>
Fibres	<ul style="list-style-type: none"> <li>Rags</li> </ul>	<ul style="list-style-type: none"> <li>Use only rags that <b>do not</b> lose fibres for tack ragging or cleaning floors</li> <li>Proper vacuuming prior to coatings application</li> </ul>
Bubbles	<ul style="list-style-type: none"> <li>Inadequate drying process</li> <li>Temperature and/or humidity too high</li> <li>Draft</li> <li>Film thickness too high</li> </ul>	<ul style="list-style-type: none"> <li>Awareness of 'application window'</li> <li>Do not apply if temperature is above 30 °C or during rain</li> <li>Avoid uncontrolled airflow and draft</li> <li>Switch air conditioning off</li> <li>Close job site during applications and initial drying period</li> <li>Apply recommended film thickness</li> </ul>
Frying	<ul style="list-style-type: none"> <li>Former coat not dry enough for re-coat</li> </ul>	<ul style="list-style-type: none"> <li>Make sure that initial coat is dry</li> <li>Check labels for drying and re-coat times</li> <li>Allow longer drying times at low temperatures</li> <li>Improve air flow for Toby Tung Oil Seal and Toby Oil Modified Urethane</li> </ul>
'Orange Peel'	<ul style="list-style-type: none"> <li>Drying too fast</li> <li>Improper mixing of materials</li> <li>Incompatible materials</li> </ul>	<ul style="list-style-type: none"> <li>Awareness of 'application window'</li> <li>Do not apply if temperature is above 30 °C</li> <li>Only use recommended materials</li> </ul>
Gel Particles	<ul style="list-style-type: none"> <li>Improper cleaning of application equipment</li> </ul>	<ul style="list-style-type: none"> <li>Keep application equipment clean</li> <li>Only use Toby Super Solvent</li> </ul>
Rejection	<ul style="list-style-type: none"> <li>Extraction of timber ingredients on to surface</li> <li>Contamination on substrate</li> <li>Contamination of sanding and/or application equipment</li> </ul>	<ul style="list-style-type: none"> <li>Properly clean floor prior to initial sanding process</li> <li>Wash only polyurethane floors/surfaces with Toby Thinners prior to the sanding process, particularly in kitchens and around table where silicone sprays may have been used, use plenty of clean rags</li> <li>Keep application equipment clean</li> <li>Change sandpaper and screens for each coat</li> </ul>
Rejection	<ul style="list-style-type: none"> <li>Incompatibility</li> </ul>	<ul style="list-style-type: none"> <li>Do not use mixed systems</li> <li>Use only recommended products including thinners</li> </ul>
Rejection	<ul style="list-style-type: none"> <li>Inadequate surface preparation</li> </ul>	<ul style="list-style-type: none"> <li>Completely re-sand existing old coats</li> <li>Do not contaminate freshly sanded surfaces</li> </ul>

<b>Delamination</b>	<ul style="list-style-type: none"> <li>Contamination of surface</li> <li>Contamination of sanding and/or application equipment</li> </ul>	<ul style="list-style-type: none"> <li>Properly clean surface prior to the sanding process</li> <li>Wash only polyurethane floors/surfaces with Toby Thinners prior to the sanding process, particularly in kitchens and around table where silicone sprays may have been used</li> <li>Keep application equipment clean</li> <li>Change sandpaper and screens for each coat</li> </ul>
<b>Delamination</b>	<ul style="list-style-type: none"> <li>Incompatibility</li> </ul>	<ul style="list-style-type: none"> <li>Do not use mixed systems</li> <li>Only use recommended products</li> </ul>
<b>Delamination</b>	<ul style="list-style-type: none"> <li>Inadequate surface preparation</li> </ul>	<ul style="list-style-type: none"> <li>Completely re-sand existing old coats</li> <li>Do not contaminate freshly sanded surfaces</li> <li>Adequate sanding required between coats</li> </ul>
<b>Drying too slow</b>	<ul style="list-style-type: none"> <li>Environmental condition</li> </ul>	<ul style="list-style-type: none"> <li>Allow longer drying at low temperatures</li> <li>Improve air flow for Toby Tung Oil Seal and Toby Oil Modified Urethane</li> </ul>
<b>Product does not dry</b>	<ul style="list-style-type: none"> <li>Contamination</li> <li>Improper mixing of two part finishes</li> </ul>	<ul style="list-style-type: none"> <li>Remove contaminant with white vinegar &amp; warm water. Use Toby Thinners in stubborn cases only on polyurethane's (Unithane, Lustapol) at least 3 days old</li> <li>Properly mix two part finishes to correct ratio</li> </ul>
<b>Gloss variations</b>	<ul style="list-style-type: none"> <li>Moisture condensation due to dew point</li> <li>Wrong application technique</li> <li>Airflow</li> </ul>	<ul style="list-style-type: none"> <li>Do not apply coatings when a drop in temperature is expected during the application or initial drying period, like late afternoons in winter</li> <li>Avoid uncontrolled airflow</li> <li>Avoid draft, especially under doors</li> <li>Keep temperature between 10-30 °C</li> <li>Avoid direct sunlight in spots on floor</li> <li>Apply product at even film thickness</li> </ul>
<b>Blotchy appearance</b>	<ul style="list-style-type: none"> <li>Moisture condensation due to dew point</li> <li>Wrong application technique</li> <li>Airflow</li> </ul>	<ul style="list-style-type: none"> <li>Do not apply coatings when a drop in temperature is expected during the application or initial drying period, like late afternoons in winter</li> <li>Apply Toby Unithane with a 6mm mohair roller only at recommended application rate</li> <li>Keep a wet edge at all times</li> </ul>
<b>Lap marks/ Streakiness/ Roller marks</b>	<ul style="list-style-type: none"> <li>Wrong application technique</li> <li>Environmental condition</li> </ul>	<ul style="list-style-type: none"> <li>Apply Toby Unithane with a 6mm mohair roller only at recommended application rate</li> <li>Keep a wet edge at all times</li> <li>Apply product always in direction of the boards, never finish across the boards</li> <li>Apply product at even film thickness</li> </ul>
<b>Product scratches/ Product wears quickly</b>	<ul style="list-style-type: none"> <li>Improper drying</li> <li>Improper mixing of two pack</li> <li>Film thickness too low</li> <li>Improper maintenance</li> <li>Curing time too short</li> </ul>	<ul style="list-style-type: none"> <li>Allow at least 10-14 days for complete cure of product</li> <li>Avoid walking on surface with shoes for 7 days</li> <li>Use protective mats in entrance</li> <li>Use protective felt pads under all furniture</li> <li>Use an anti-static mop weekly to collect dust</li> <li>Don't drag heavy objects over surface</li> <li>Wash floor fortnightly, avoid abrasive cleaners</li> </ul>

**TECHNICAL ASSISTANCE 1800 073 530**