

# WATERBASED POLYURETHANE FURNITURE COATING

PRODUCT CODE: WPF Clear and Pigmented Series

TECHNICAL DATA SHEET

<b>Product Description</b>	A series of clear and pigmented water-based two pack polyurethane furniture coatings with a range of gloss levels.													
<b>Intended Uses</b>	These water-based furniture coatings are formulated for use on all interior and exterior wooden furniture and panelling.													
<b>Features &amp; Benefits</b>	<ul style="list-style-type: none"> <li>Greener alternative to solvent-based polyurethanes.</li> <li>Fast drying</li> <li>Excellent mar resistance</li> <li>Stable pot-life profile</li> </ul>													
<b>Product Information</b>	<p>Colour</p> <p>Tint Bases</p> <p>Volume solids (mixed)</p> <p>Specific Gravity</p> <p>Viscosity at 23°C</p> <p>Pot Life (after mixing)</p> <p>VOC</p>	<p><u>Whites:</u> WPF 1362 (Satin), WPF 1520 (Gloss)</p> <p><u>Clears:</u> WPF 1003 (Satin), WPF 1006 (Gloss)</p> <p><u>Satin tint bases:</u> WPF 1013 (Pastel), WPF 1023 (Deep), WPF 1033 (Transparent)</p> <p><u>Gloss tint bases:</u> WPF 1016 (Pastel), WPF 1026 (Deep), WPF 1036 (Transparent)</p> <p>36 – 43 % depending on colour</p> <p>1.00 – 1.10 depending on colour</p> <p>80 – 90 KU</p> <p>&gt;2 h @23 °C</p> <p>&lt;100 g/L</p>												
<b>Application Details</b>	<p>Mixing:</p> <p>Method:</p> <p>Thinning</p> <p>Cleaning</p> <p>Drying times at 23 °C</p> <p>Application Environment</p>	<p>Mix 4 parts BASE to 1-part CATALYST (<b>INT 4151</b>)</p> <p>Mix Base thoroughly. Then mix components together by slowly adding the CATALYST to the Base component while stirring (at 1500 R.P.M) with mechanical stirrer. Continue stirring for 2 minutes after all the CATALYST has been added. Allow 10 minutes induction period. Then thin with water to the recommended application viscosity.</p> <p>Conventional spray:</p> <p>Suitable nozzle orifice: 1.7mm-2.0mm, Nozzle pressure: 3 - 4 Bar</p> <p>Recommended viscosity: 30-35 Sec/F4</p> <p>Water. Thin to recommended viscosity (as above)</p> <p>Water. Equipment can be cleaned with water immediately after use followed by a rinse with water miscible solvent. (E.g. Acetone, alcohol)</p> <p>Dust-free: 30 min</p> <p>Handle: 90 min</p> <table border="1"> <thead> <tr> <th>Surface temperature</th><th>Ambient temperature</th><th>Relative Humidity</th></tr> </thead> <tbody> <tr> <td>Min: 10 °C</td><td>Min: 10 °C</td><td>Min: 10 %</td></tr> <tr> <td colspan="3">Or 3 °C min above dew point</td></tr> <tr> <td>Max: 40 °C</td><td>Max: 40 °C</td><td>Max: 70 %</td></tr> </tbody> </table>	Surface temperature	Ambient temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10 %	Or 3 °C min above dew point			Max: 40 °C	Max: 40 °C	Max: 70 %
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Max: 40 °C	Max: 40 °C	Max: 70 %												
<b>Storage and Packaging:</b>	<p>Do not store below 5 °C or above 30 °C</p> <p>Packaging: Dual pack: 1 L and 4 L</p>													
<b>Surface preparation:</b>	<ul style="list-style-type: none"> <li>Surface must be dry, clean and free of contaminants.</li> <li>Sand to a smooth surface, free of loose fibres.</li> <li>Sand substrate with 150 – 180 grit paper to a smooth finish Remove all dust prior to the application of the basecoat.</li> <li>Recommended Primer: <b>W/B BOARD PRIMER WHITE (FFW 1301)</b> or <b>PS 202</b></li> <li>Recommended Sealer: Self-sealing or FFW 2006</li> </ul>													

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<b>Application</b>	<ul style="list-style-type: none"><li>• Apply at a rate of 100 - 120 g/m<sup>2</sup> per coat. Do not apply more than 180 g/m<sup>2</sup></li><li>• Use only stainless-steel spray application equipment. Nozzle sizes: 1.7 – 2.0 mm.</li><li>• If application equipment was used previously for solvent based products, ensure all equipment is washed thoroughly, first with lacquer thinners and then water before use.</li><li>• Allow the coating to dry as specified.</li><li>• Sand with 280 or 320 grit finishing paper.</li><li>• Remove all sanding dust prior to further application.</li></ul>
<b>Cautions</b>	<ul style="list-style-type: none"><li>• Discard any mixed material left over after pot life has expired.</li><li>• Low temperatures and high humidity retard drying.</li><li>• Must not be used at air / substrate temperatures below 13 °C.</li><li>• 23 °C recommended substrate &amp; ambient temperature.</li></ul>
<b>Safety Precautions</b>	<ul style="list-style-type: none"><li>• Always keep paint out of reach of children.</li><li>• Ensure good ventilation during application and drying.</li><li>• If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.</li><li>• Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.</li><li>• Harmful if swallowed. Seek medical attention and do not induce vomiting.</li><li>• Contains aliphatic isocyanate</li><li>• Refer to Safety Data Sheet for complete information.</li></ul>

### **DISCLAIMER:**

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

**NB:** Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

**NB: TO ORDER:** Quote product name, product code number, packaging and colour.

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