

## PLASCOTHANE PURECOAT FLOOR COATING

PRODUCT CODE: PUC Range

### TECHNICAL DATA SHEET

<b>Product Description</b>	A single pack moisture cured urethane floor coating, which has a smooth high gloss appearance.													
<b>Intended Uses</b>	<ul style="list-style-type: none"> <li>A tough and versatile urethane floor coating for interior use only.</li> <li>Can be used on various substrates such as concrete, masonry and timber.</li> </ul>													
<b>Features</b>	<ul style="list-style-type: none"> <li>Product reacts with atmospheric moisture to form a tough flexible film, which has excellent abrasion resistance.</li> <li>Up to three coats can be applied in one day, after which the floor can be used within 24 hours (Depending on Ambient Humidity). This provides significant cost and convenience benefits.</li> </ul>													
<b>Product Information</b>	<p>Appearance</p> <p>Colours</p> <p>Volume solids</p> <p>S G</p> <p>Recommended DFT</p> <p>Recommended WFT</p> <p>Theoretical spreading rate</p> <p>Practical spreading rate</p> <p>VOC</p>	<p>High gloss</p> <p>Clear (PUC 1), Chrome oxide green (PUC 8), Dark admiralty grey (PUC 20), Light stone (PUC 24), Agulhas blue (PUC 25), Navy light grey (PUC 27)</p> <p>48%</p> <p>1,05 kg/L</p> <p>25 – 35 µm</p> <p>52 – 73 µm</p> <p>16 m<sup>2</sup>/L @ 30 µm DFT</p> <p>The practical spreading rate will vary depending on the surface profile of the substrate, as well as the application technique and tools used.</p> <p>&lt; 500 g/L</p>												
<b>Application Details</b>	<p>Mixing</p> <p>Method</p> <p>Thinning</p> <p>Cleaning</p> <p>Drying time</p> <p>Application Environment</p>	<p>This material is a one component coating and should always be mixed thoroughly with a flat paddle before application</p> <p>Brush and roller only</p> <p>Do not thin</p> <p>Clean all equipment immediately after use with <b>PLASCON UNIVERSAL REDUCER (PUR 1)</b></p> <p><b>Touch dry:</b> 2 h @ 23 °C</p> <p><b>Over coating:</b> 2 h min @ 23 °C - more than 8 h requires re-sanding to provide a key</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: 40%</td></tr> <tr> <td colspan="3">or 2 °C min. above dew point</td></tr> <tr> <td>Max: 35 °C</td><td>Max: 35 °C</td><td>Max: 85%</td></tr> </tbody> </table>	Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 40%	or 2 °C min. above dew point			Max: 35 °C	Max: 35 °C	Max: 85%
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<b>Storage and Packaging</b>	<p>Store in original container away from direct sun, heat and severe cold.</p> <p>Keep container sealed.</p> <p>Packaging: 5L</p>													

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<b>Surface Preparation</b>	<p>All surfaces must be dry, clean, and free from oil, grease, wax, mortar droppings or any other contaminants. New concrete floors require a curing period of 28 days depending on ambient temperature and relative humidity. Moisture content must be less than 5% when measured on the Doser Hygrometer B4 scale. Extremely porous surfaces must first be sealed with <b>PLASCOTHANE PURECOAT FLOOR COATING Clear (PUC 1)</b>.</p> <p><b>1. Concrete – Wood Floated Floors:</b> Ensure that the surfaces are dry and free from polish, oil, grease or any other contaminants prior to coating. Scrub thoroughly with <b>PLASCON AQUASOLV DEGREASER (GR 1)</b>, rinse with clean water so as to remove all traces of degreaser. Allow to dry thoroughly.</p> <p><b>2. Concrete – Steel Floated Floors:</b> Remove all traces of grease, oil, or any other contaminants by scrubbing with <b>PLASCON AQUASOLV DEGREASER (GR 1)</b> followed by water rinses so as to remove all traces of degreaser. Allow to dry. Remove laitance and residual cement spillage by high speed Diamond Grinding Vacuum clean to remove all residual dust.</p> <p><b>3. Wood:</b> Deep sand wood to smooth finish, working in direction of grain (using an industrial belt type sander) until all traces of wax, paint, stains etc. have been removed from the grain. Vacuum clean and wipe surface using a mutton cloth dampened with <b>UNIVERSAL REDUCER (PUR 1)</b> to remove wood dust. Moisture content must be less than 14% measured on a Doser Hygrometer A scale.</p> <p><b>4. Previously coated epoxy-polyurethane:</b> Loose and flaking coatings should be removed back to a firm edge. Sand aged coatings to a matt finish and dust off.</p>
<b>Application</b>	<ul style="list-style-type: none"> <li>• If the substrate is extremely porous it should be sealed with <b>PLASCOTHANE PURECOAT FLOOR COATING Clear (PUC 1)</b>.</li> <li>• Product should be applied directly to prepared surfaces as stated above.</li> <li>• On concrete apply 1 coat <b>PLASCOTHANE PURECOAT FLOOR COATING (PUC 1)</b> as a sealer and 2 finishing coats.</li> <li>• On wood apply 1 coat <b>PLASCOTHANE PURECOAT FLOOR COATING (PUC 1)</b> as a sealer and 2 finishing coats. Denib by sanding with 220 grit between coats. Dust off.</li> </ul>
<b>Cautions</b>	<ul style="list-style-type: none"> <li>• This product must not be applied by spray as it contains high levels of free isocyanate. Before application, refer to SDS to ensure that adequate ventilation and personal protective equipment is available.</li> <li>• This product is designed for interior use only. Discolouration of the coating will occur on exterior exposure.</li> <li>• If the maximum over coating time (8 h) has been exceeded the surface must be abraded to ensure good adhesion of subsequent coats.</li> <li>• The coating can form blisters on second coat application if all contaminants are not removed.</li> <li>• Blisters can form between wood blocks such as found on Parquet flooring.</li> <li>• Trapped solvent/air or vigorous rolling can form blisters.</li> <li>• Clear coat can yellow with ageing.</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>• Do not smoke while painting.</li> <li>• Flammable. Store in a cool dry place away from heat and sparks.</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.

**N.B.** 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.

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

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