



Universal Coatings (Pty) Ltd | Reg No: 1982/10922/07

# UniShield Paint

PRODUCT CODE:   UNISHW    
TECHNICAL DATA SHEET

February 2021.R1

<h2>4.1. PRODUCT DESCRIPTION</h2>	<p>A new generation, water based pure acrylic, long-life, interior, medium sheen coating, incorporating <b>Antimicrobial Protection</b>. UniShield is a non-yellowing, UV, Fungal &amp; <b>Antimicrobial</b> resistant coating. Ideal for hygiene critical environments with the most powerful defence against bacteria.</p>	
<h3>Application Areas</h3>	<ul style="list-style-type: none"> <li>• Interior use.</li> <li>• A coating containing a preservative for use in superior hygiene environments, developed for hospitals, medical facilities, schools, food processing and homes.</li> <li>• High traffic areas that need a highly washable and durable coating.</li> <li>• Walls, ceilings, fibre cement, galvanised gutters and down pipes, PVC pipes, fibre and hard board panels for trims, doors and windows.</li> <li>• Plaster, hardboard and fibre cement walls.</li> <li>• Primed metal and wooden substrates.</li> <li>• Also suitable for use in kitchens, bathrooms and laundry areas.</li> </ul>	
<h3>Product Features</h3>	<ul style="list-style-type: none"> <li>• The antifungal &amp; antibacterial protection remains active in the coating film for the life of the coating applied to the substrate.</li> <li>• Highly durable and UV resistant.</li> <li>• Excellent Water resistance.</li> <li>• Superior stain resistance.</li> <li>• The coating surface is smooth and silky in appearance.</li> <li>• Highly washable.</li> <li>• The slightly glossy surface prevents dirt pickup and makes it easy to clean.</li> <li>• Can be cleaned with any household detergent that does not contain ammonia.</li> <li>• Excellent adhesion.</li> <li>• Low odour.</li> <li>• Two coats of <b>UniShield</b> are applied for best results.</li> <li>• If correctly applied to a properly prepared substrate, the product has a life expectancy in excess of 10 years.</li> </ul>	
<h3>Product Data</h3>	<b>Resin Base</b>	Pure Acrylic resin emulsion Proprietary preservatives
	<b>Drying Time</b>	Touch dry: ± 30 minutes Hard dry: 3-4 hours
	<b>Film Thickness</b>	35-50 microns
	<b>Spreading Rate</b>	8-10m <sup>2</sup> /litre. Although the spreading rate will vary with porosity and type of substrate, for uncoated new surfaces work on 6-8m <sup>2</sup> /litre for the first coat and 8-10m <sup>2</sup> /litre for subsequent coats and when applied to sealed, previously painted substrates.
	<b>Surface Appearance</b>	Slight silky sheen.
<h3>Application Details</h3>		



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<ul style="list-style-type: none"> <li>• <b>Mixing</b></li> </ul>	<ul style="list-style-type: none"> <li>• Always stir well before use with a flat paddle.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Application Method</b></li> </ul>	<ul style="list-style-type: none"> <li>• Brush, roller or airless spray.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Thinning</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>UniShield Paint</b> is ready for use un-thinned; thinning with water will reduce its hiding power and product efficacy.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Cleaning</b></li> </ul>	<ul style="list-style-type: none"> <li>• Water.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Application</b></li> </ul>	<ul style="list-style-type: none"> <li>• Always stir well before use with a flat paddle.</li> <li>• Two coats of <b>UniShield Paint</b> are applied for best results.</li> <li>• With brush, roller or airless spray, apply a generous coat of <b>UniShield Paint</b>.</li> <li>• Allow to dry 3-4 hours before recoating.</li> <li>• Apply a second generous coat of <b>UniShield Paint</b>.</li> <li>• Do not apply before 9:00Hr and after 16:00Hr in winter.</li> <li>• Do not apply exterior if it looks like rain will occur within 4-6 hours of application.</li> <li>• Clean up application equipment with clean tap water.</li> </ul>
<b>Surface Preparation</b>	
<ul style="list-style-type: none"> <li>• <b>Mild Steel (Renovation)</b></li> </ul>	<ul style="list-style-type: none"> <li>• Affected areas need to be cleaned back to bright metal and spot primed with <b>Universal Galvanised Primer</b>.</li> <li>• Sand existing coating.</li> <li>• With brush, roller or airless spray, apply a generous coat of <b>UniShield Paint</b>.</li> <li>• Allow to dry 3-4 hours before recoating.</li> <li>• Apply a second generous coat of <b>UniShield Paint</b>.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Mild Steel (New)</b></li> </ul>	<ul style="list-style-type: none"> <li>• Degrease surfaces with <b>Universal Paints Degreaser</b> to remove the manufacturer's grease protective layer. This process is repeated until the surface is water break free.</li> <li>• After drying, the whole substrate is coated with <b>Universal Galvanised Primer</b>.</li> <li>• With brush, roller or airless spray, apply a generous coat of <b>UniShield Paint</b>.</li> <li>• Allow to dry 3-4 hours before recoating.</li> <li>• Apply a second generous coat of <b>UniShield Paint</b>.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Uncoated Concrete Surfaces</b></li> <li>• <b>Raw / New Plaster / Rhinolite Plaster</b></li> <li>• <b>Precast</b></li> </ul>	<ul style="list-style-type: none"> <li>• Make sure surface is dry and firm.</li> <li>• Remove all dust, foreign material, fungal and algae growth, which should be treated with <b>Universal Fungal Wash</b>.</li> <li>• Prime with Universal Plaster Primer. Fill and seal all visible cracks with <b>Universal Acrylic Crack Filler</b>.</li> <li>• Sand well and remove dust.</li> <li>• Apply one coat of <b>Universal Bonding Liquid</b> or <b>Universal Plaster Primer</b> to cover <b>Universal Acrylic Crack Filler</b>.</li> <li>• With brush, roller or airless spray, apply a generous coat of <b>UniShield Paint</b>.</li> <li>• Allow to dry 3-4 hours before recoating.</li> <li>• Apply a second generous coat of <b>UniShield Paint</b></li> </ul>
<ul style="list-style-type: none"> <li>• <b>Uncoated, Weathered or New Fibre Cement Surfaces</b></li> </ul>	<ul style="list-style-type: none"> <li>• Remove dust, foreign material, fungal and algae growth, which should be treated with <b>Universal Fungal Wash</b>.</li> <li>• If friable or powdery, seal with <b>Universal Bonding Liquid</b>.</li> <li>• With brush, roller or airless spray, apply a generous coat of <b>UniShield Paint</b>.</li> <li>• Allow to dry 3-4 hours before recoating.</li> <li>• Apply a second generous coat of <b>UniShield Paint</b>.</li> </ul>



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<ul style="list-style-type: none"> <li>• <b>Wall Partitioning, Softboard, Gypsum Board, Fibre Board, Cornices (New &amp; Renovation)</b></li> </ul>	<ul style="list-style-type: none"> <li>• Remove any loose particles and dust from substrate.</li> <li>• Prime nail heads with a coat of <b>Universal Undercoat</b> (this will prevent corrosion of nail heads).</li> <li>• Prime surface with one coat of <b>Universal Plaster Primer</b>.</li> <li>• Fill and seal all visible cracks with <b>Universal Acrylic Crack Filler</b>.</li> <li>• Sand well and remove dust.</li> <li>• Apply one coat of <b>Universal Bonding Liquid or Universal Plaster Primer</b> (to cover <b>Universal Acrylic Crack Filler</b>).</li> <li>• With brush, roller or airless spray, apply a generous coat of <b>UniShield Paint</b>.</li> <li>• Allow to dry 3-4 hours before recoating.</li> <li>• Apply a second generous coat of <b>UniShield Paint</b>.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Previously Painted Surfaces</b></li> <li>• <b>Concrete</b></li> <li>• <b>Precast</b></li> <li>• <b>Plaster</b></li> </ul>	<ul style="list-style-type: none"> <li>• Surface must be in a sound condition.</li> <li>• Existing gloss finishes should be well sanded.</li> <li>• Remove all loose, flaking and bubbling paint.</li> <li>• Remove all dust, foreign material, fungal and algae growth, which should be treated with <b>Universal Fungal Wash</b>.</li> <li>• Allow to dry.</li> <li>• Fill and seal all visible cracks with <b>Universal Acrylic Crack Filler</b>.</li> <li>• Sand well and remove dust</li> <li>• Apply one coat of <b>Universal Bonding Liquid or Universal Plaster Primer</b> to cover <b>Universal Crack Filler</b>.</li> <li>• Prime the bare and visible plaster areas with <b>Universal Plaster Primer</b>.</li> <li>• With brush, roller or airless spray, apply a generous coat of <b>UniShield Paint</b>.</li> <li>• Allow to dry 3-4 hours before recoating.</li> <li>• Apply a second generous coat of <b>UniShield Paint</b>.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Wooden Surfaces and Chipboard</b></li> </ul>	<ul style="list-style-type: none"> <li>• Prime wooden surface with one coat of <b>Universal Pink Wood Primer</b>.</li> <li>• With brush, roller or airless spray, apply a generous coat of <b>UniShield Paint</b>.</li> <li>• Allow to dry 3-4 hours before recoating.</li> <li>• Apply a second generous coat of <b>UniShield Paint</b>.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Colour Range and Quantities</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>UniShield Paint</b> is available in White.</li> <li>• <b>UniShield Paint</b> has excellent tinter colour acceptance and a wide range of pastel colours can be tinted at point of sale.</li> <li>• Available in 1ℓ &amp; 5ℓ.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Precautions</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>UniShield Paint</b> is not flammable.</li> <li>• It contains no toxic substances and very low levels of VOC (EU 2010 regulations).</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Disclaimer</b></li> </ul>	<p>Universal Paints cannot be held liable if the product fails due to improper surface preparation or application.</p>
<p><b>Universal Coatings (PTY) LTD</b> Reg No. 1982/10922/07</p>	



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