



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

**BITUMEN ALUMINIUM S1 REFLECTOR**  
**PRODUCT CODE: BIT00**  
 TECHNICAL DATA SHEET  
 November 2016.R3

<ul style="list-style-type: none"> <li>• <b>Product Description</b></li> </ul>	<ul style="list-style-type: none"> <li>• Bitumen is a one pack, aluminum pigmented bitumen solution.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Application Areas</b></li> </ul>	<ul style="list-style-type: none"> <li>• A general purpose reflective aluminium paint for bituminous surfaces.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Product Features</b></li> </ul>	<ul style="list-style-type: none"> <li>• UV resistant.</li> <li>• Highly reflective.</li> <li>• Easy to apply.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Application Details</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Bituminous surfaces and sheet waterproofing membrane</b> – should be free of dust, chalking and other loose material.</li> <li>• New bituminous surfaces should weather for 8 weeks before coating.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Mixing</b></li> </ul>	<ul style="list-style-type: none"> <li>• As the aluminium pigment settles very easily Bitumen Aluminium S1 Reflector must be stirred well before use, using a flat paddle.</li> <li>• All settled material must be thoroughly dispersed.</li> <li>• Keep <b>Universal Bitumen Aluminium S1 Reflector</b> well stirred during use.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Application Method</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Universal Bitumen Aluminium S1 Reflector</b> can be applied directly to the surface.</li> <li>• <b>Universal Bitumen Aluminium S1 Reflector</b> may be applied by brush or roller.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Coverage</b></li> </ul>	<ul style="list-style-type: none"> <li>• Coverage is very dependent on the porosity of the surface.</li> <li>• Bituminous surfaces 6 – 10m<sup>2</sup> / litre.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Cleaning</b></li> </ul>	<ul style="list-style-type: none"> <li>• Tools, brushes and mixing equipment should be cleaned immediately after use and before material has set with <b>Universal Mineral Turpentine</b>, followed by washing with soap and water.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Note</b></li> </ul>	<ul style="list-style-type: none"> <li>• Due to the viscosity and aluminium pigments contained in <b>Universal Bitumen Aluminium S1 Reflector</b>, this product exhibits both high spread and hiding characteristics. Low film build should however be avoided in the interests of longevity with due care during installation to apply the specified coating thickness.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Surface Preparation</b></li> </ul>	<ul style="list-style-type: none"> <li>• Any surface to be coated with <b>Universal Bitumen Aluminium S1 Reflector</b> should be clean, mechanically sound and dry.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Typical Physical Properties of Wet Material</b></li> </ul>	<ul style="list-style-type: none"> <li>• Density (typical) : 0.985g / cm<sup>3</sup>.</li> <li>• Colour : Bright aluminum.</li> <li>• Flashpoint : 38°Celsius.</li> <li>• Dilution : Not recommended.</li> <li>• Consistency : Low viscose liquid.</li> <li>• Drying time at 25°C : Touch dry: 1 hour. Hard dry: 2 hours.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Typical Physical Properties of Dry Film</b></li> </ul>	<ul style="list-style-type: none"> <li>• Max Service Temp : Dry 70°Celsius.</li> <li>• Weather resistance : Weathers well but dulls with age.</li> <li>• Toxicity : Non-toxic.</li> <li>• Water resistance : Not recommended for immersion conditions.</li> <li>• Solvent resistance : Will not withstand solvent spillage due to attack on Bitumen.</li> <li>• Chemical resistance : Film (aluminum) attacked by both acids and alkalis.</li> </ul>

<ul style="list-style-type: none"> <li>• <b>Cleaning</b></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Tools, brushes and mixing equipment should be cleaned immediately after use and before material has set with <b>Universal Mineral Turpentine</b>.</i></li> </ul>
<ul style="list-style-type: none"> <li>• <b>Protection on Completion</b></li> <li>• <b>Temperature and Relative Humidity</b></li> </ul>	<ul style="list-style-type: none"> <li>• It may be necessary to apply a further coat of <b>Universal Bitumen Aluminium S1 Reflector</b> after 3 years.</li> <li>• Application temperature range from 5° Celsius - 50°Celsius.</li> <li>• Do not apply if surface is less than 2°C above dew point.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Packaging</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Universal Bitumen Aluminium S1 Reflector</b> is available in 1ℓ, 5ℓ and 20ℓ.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Handling and Storage</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Universal Bitumen Aluminium S1 Reflector</b> has a shelf life of 12 months if kept in a dry cool place in the original packaging.</li> <li>• In more extreme conditions this period might be shortened.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Health and Safety</b></li> </ul>	<ul style="list-style-type: none"> <li>• Wet <b>Universal Bitumen Aluminium S1 Reflector</b> is flammable and naked flames should not be allowed in the vicinity of the work area.</li> <li>• Adequate ventilation must be provided when working in confined areas.</li> <li>• Always wear gloves when working with the material and avoid excessive inhalation and skin contact.</li> <li>• If material is splashed into the eye, wash with plenty of clean water and seek medical attention.</li> <li>• Cured <b>Universal Bitumen Aluminium S1 Reflector</b> is inert and harmless.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Precautions</b></li> </ul>	<ul style="list-style-type: none"> <li>• This product is flammable and has a flash point of 37° Celsius.</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>
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