VITRETHANE 606

TECHNICAL DATA SHEET

Hand Applied Flexible Polyurethane

A & I Coatings **Vitrethane 606** is a two component, hand applied, flexible polyurethane elastomer. It is suitable over cementitious, timber, or metal surfaces with appropriate primer and is fast curing. For long term UV resistance, V606 needs an appropriate UV resistant finish coat.

<table>
<tr><td>USES & BENEFITS</td><td colspan="5">• Mezzanine Floors
• Stadium Concourse
• Bunded Area
• Plant Rooms
• Podium
• Roofs
• Foot trafficable waterproofing membrane</td></tr>
<tr><td></td><td colspan="5">Benefits
• 100% Solids – VOC Free
• Excellent long-term flexibility and therefore suitability for protection and sealing of surfaces subject to thermal and circumstantial expansion and contraction.
• May be brush or flat blade trowel or notched squeeze applied.
• Fast application and cure.
• Excellent crack bridging capability</td></tr>
<tr><td rowspan="10">PROPERTIES</td><td>Vehicle Type</td><td colspan="4">100% Solid Polyurethane</td></tr>
<tr><td>Primer Required</td><td colspan="4">E2100</td></tr>
<tr><td>Mix Ratio</td><td colspan="4">100:23.31 Isocyanate: Polyol by weight</td></tr>
<tr><td>Pot Life</td><td colspan="4">Approx 20 minutes @ 25°C</td></tr>
<tr><td>Usual No. of Coats</td><td colspan="4">1 coat at 1 – 2mm</td></tr>
<tr><td>Theoretical Coverage</td><td colspan="4">1.15 kg/mm/m^2</td></tr>
<tr><td>Colour</td><td colspan="4">Grey</td></tr>
<tr><td>Finish</td><td colspan="4">Gloss</td></tr>
<tr><td>Volume Solids</td><td colspan="4">100%</td></tr>
<tr><td>Density</td><td colspan="4">1.10 kg/L</td></tr>
<tr><td>Application Conditions</td><td colspan="4">8 – 35°C
Substrate surface temperature must be at least 3°C above the dew point during application and initial cure.</td></tr>
<tr><td rowspan="3">Curing Data</td><td>Substrate Temperature</td><td>Recoat time (Hours)</td><td>Foot Traffic (Hours)</td><td>Vehicle Traffic (Days)</td><td>Full Cure (Days)</td></tr>
<tr><td>25°C</td><td>12</td><td>24</td><td>3</td><td>7</td></tr>
<tr><td colspan="5">The maximum recoat time is 24 hours at 25°C. If the maximum recoat time is exceeded, mechanical abrasion must be carried out to ensure a good mechanical bond.
No water or condensation should contact the coating for 5 days from installation.</td></tr>
<tr><td rowspan="5">MECHANICAL PROPERTIES</td><td>Property</td><td colspan="4"></td></tr>
<tr><td>Shore A Hardness</td><td colspan="4">90</td></tr>
<tr><td>Tensile Strength</td><td colspan="4">5.2 MPa</td></tr>
<tr><td>Elongation</td><td colspan="4">310%</td></tr>
<tr><td>Angle Tear Strength</td><td colspan="4">31 kN/m</td></tr>
</table>

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SURFACE PREPARATION	Vitrethane 606 must be applied on Enviroset 2100. Refer to Enviroset 2100 Technical data sheet for surface preparation requirements.	
APPLICATION DATA	Mixing	Pre-mix Part A for one minute, then add Part B, and mechanical mix for two minutes. Only use full kits and do no split the kits.
	Application	Apply by flat blade trowel or notched rubber squeeze then spiked with a spike roller.
	Cleaning	Clean tools and equipment using Vitrethane 104.
PACKAGING & STORAGE	Packaging	Available in 17.3 kg Kits.
	Storage	12 months when stored indoors in original sealed containers between 10°C and 30°C, away from direct sunlight. Partly used containers must be sealed tightly when not in use. Refer to current Safety Data Sheet for information on safe handling and storage
	Waste Disposal	Dispose of in accordance with local regulations.
HEALTH & SAFETY	All applicable statutory regulations must be observed during application. Users must read the Safety Data Sheet for Vitrethane 606 and familiarise themselves with all safety aspects of the product before use. Recommended PPE: Solvent-resistant gloves, safety eyewear and appropriate footwear.	

Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on-site conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.

DISCLAIMER: Since the use and application of this product is beyond our control, we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty.