

VITRECURE 6

UV Cure Wood Sealer

Technical Data Sheet Number 098



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| PRODUCT DESCRIPTION | <p>A & I Coatings VITRECURE 6 is a high cure speed UV Cure Sealer for very porous timbers such as balsa. It is sandable and readily receives most top coats. VC6 provides an excellent bond surface for polyester or epoxy resins as has been proven by our research and major industry validation.</p> <p>VC6N is the reduced resin uptake version.</p> | |
| USES & BENEFITS | <ul style="list-style-type: none">• Balsa wood for inclusion in composite applications | |
| | <p><u>Benefits</u></p> <ol style="list-style-type: none">1. Low monomer content2. Low porous substrate absorption3. Fast cure4. Low odour5. Excellent sealing properties for balsa wood | <p><u>Limitations</u></p> <ol style="list-style-type: none">1. In cold temperatures, VC6 may need to be heated or warmed up to achieve right application viscosity |
| PHYSICAL PROPERTIES | Vehicle Type | UV Curable Acrylic |
| | Finish | Gloss |
| | Colour | Clear |
| | Theoretical Coverage | 50m ² /L@20µm |
| | Volume Solids | 100% |
| | Recommended DFT | 10gsm to 25gsm |
| | Usual No. of Coats | 1 coat |
| | VOC Content | <5 grams/ Litre |
| | Product Weight | 1.14Kg/ Litre |
| | Dry Time | Cures in less than a second under UV lights |
| | Recoat Time | Sanding is necessary before recoating |
| | Cure Speed | Up to 10m/ Min. |
| | Lamps | 1 x 80w/cm MPHg (medium Pressure Mercury Vapour) Lamps. Minimum UV dosage to be >0.55joules/cm ² |
| ENGINEERING DATA | Abrasion Resistance | Good |
| | Bacterial Resistance | Good |
| | Flexibility | Adequate for all normal applications |
| | Chemical Resistance | Excellent |
| | Solvent Resistance | Excellent |
| | Heat Resistance | 120°C |
| | Durability | Good |

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| APPLICATION DATA | Application | Roller coater. |
| | Cleaning | Acetone or Ethyl Acetate. |
| | Thinning | No thinning required. |
| | Typical Specification | <u>Wood coating:</u> Roller apply 15µm on timber Cure 10m/min. 1 x MPHg Lamp C80W/cm). |
| SURFACE PREPARATION | All Surfaces | Ensure surface is free of grease or other contaminations. Porous surface may help for the coating to achieve better adhesion. |
| WORK STOPPAGES | General | Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with A & I Coatings recommended cleaner. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units. |
| | Clean Up | Clean all equipment after use with A & I Coatings recommended cleaner. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including and delays. |
| PACKING & STORAGE | Packing | Available in 21kg pails. For availability of other sizes, contact A & I Coatings. |
| | Storage | 12 months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter. |
| HEALTH & SAFETY | All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for Vitrecure 6. Users should familiarise themselves with all the safety aspects of the product prior to usage. Please ensure the current Technical Data Sheet is consulted prior to specification or application of A & I Coatings products. If the surface intended to be painted differs from the specification, please consult the A & I Coatings Technical team on 1800 819 585. | |

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation. Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on onsite 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. For additional information, phone our Customer Service Centre on 1800 819 585, or e-mail helpdesk@aicoatings.com Visit our website for more products: www.aicoatings.com

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