

# UV Cured Undercoat

## VITRECURE 7

**PRODUCT DESCRIPTION:** A & I Coatings **VITRECURE 7 White** is a UV Cured Undercoat for the coating of compressed fibrous cement panels. It sands readily and provides an excellent base for topcoats.

**TYPICAL APPLICATIONS:**

- Compress Fibrous Cement (CFC) sheeting/ panels.

**TECHNICAL INFORMATION**

|                              |  |
|------------------------------|--|
| <b>Vehicle Type</b>          | : UV Curable Acrylic.  |
| <b>Finish</b>                | : Satin.   |
| <b>Colour</b>                | : White.   |
| <b>Dry time</b>              | : Instant cure with UV energy                                |
| <br>                         |  |
| <b>Recoat time (minimum)</b> | : Sanding is necessary before recoating.                     |
| <b>Theoretical Coverage</b>  | : 25m <sup>2</sup> /L@40µm.                                  |
| <b>Volume Solids</b>         | : 100%.  |
| <b>Recommended DFT</b>       | : 25-75 g/m <sup>2</sup> (25-75 microns).                    |
| <b>Usual no. of coats</b>    | : 1 coat.  |
| <b>Flexibility</b>           | : Adequate for all normal applications.                      |
| <b>Abrasion Resistance</b>   | : Good.  |
| <b>Bacterial Resistance</b>  | : Good.  |
| <b>Chemical Resistance</b>   | : Excellent.   |
| <b>Heat Resistance</b>       | : 120°C.   |
| <b>Solvent Resistance</b>    | : Excellent.   |
| <b>Thinning and cleaning</b> | : No thinning required. Clean with Acetone or Ethyl acetate. |
| <b>Durability</b>            | : Good.  |
| <b>Product weight</b>        | : 1.27Kg/ Litre.   |
| <b>VOC Content</b>           | : VOC free   |
| <b>Cure Speed</b>            | : 6-7m/ Min.   |
| <b>Lamps</b>                 | : Gallium lamps & MPHG lamps.                                |

**MERITS:**

1. Higher opacity & fast cure.
2. Easy to achieve gel cure by controlling UV dosage.
3. Excellent sealing properties to CFC panel.

**LIMITATIONS:**

1. Not suitable for on-site application.
2. Critical to control UV dosage to prevent under curing.
3. Sanding is necessary for recoating if the coating is fully cured.

**APPLICATION DATA**

|                              |   |
|------------------------------|---|
| <b>Equipment</b>             | : Roller coater   |
| <b>Cleaning</b>              | : Acetone or ethyl acetate  |
| <b>Typical Specification</b> | : Sealer for CFC panel<br>40µm applied with roller coater<br>Cure with 2 x Ga lamps (120w/cm each lamp)<br>2x MPHG lamps (80w/cm each lamp)<br>Line speed 6m/min. |

**SURFACE PREPARATION:**

Ensure surface is free of grease, laitance or other contaminations. Check adhesion on a sample before proceeding

**WORK STOPPAGES** : 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 23kg metal 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 AND 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 7. 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 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.*

For additional information, phone our Customer Service Centre on **1800 819 585**.

APRIL 2010 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.