

## Solvent Based Water Repellent

## Technical Data Sheet No.096

# VITRETHANE 188

**PRODUCT DESCRIPTION:** A & I Coatings VITRETHANE 188 is a solvent based silane solution and serves as a high quality general purpose water repellent for impregnating and priming mineral and highly alkaline substrates.

**TYPICAL APPLICATIONS:** Vitrethane 188 is suitable for imparting water repellency to absorbent, porous, mineral construction materials e.g.

CFC board	Mineral plasters
Concrete	Mineral based natural and artificial stone
Brickwork	

### TECHNICAL INFORMATION:

**Vehicle Type** : Silane  
**Hardener** : Single pack  
**Pigmentation** : N/A  
**Pot Life** : N/A  
**Finish** : Little change to substrate appearance due to good penetration.  
**Colour** : Clear  
**Dry time (minimum)** : Touch dry 5 -10 mins @ 25°C.  
 Dry to handle 30 mins @ 25°C  
 Full cure 3 days.  
**Recoat time** : 15 – 30 minutes  
**Primer required** : No  
**Theoretical Coverage** : 10 – 15m<sup>2</sup>/Litre  
**Weight Solids** : 7.5% by weight  
**Usual no. of coats** : One coat  
**Flexibility** : Good..  
**Bacterial Resistance** : Good  
**Chemical Resistance** : Good  
**Heat Resistance** : Good  
**Solvent Resistance** : Good  
**Salt Spray Resistance** : Excellent  
**Thinning and cleaning** : Ready to use, no thinning required. Clean up with white spirits.  
**Durability** : Good  
**Product Weight** : 0.8

### MERITS:

1. Good penetration depth
2. High alkaline resistance
3. Tack-free drying
4. Effective on damp substrates
5. Water repellence develops very quickly
6. Does not change the water vapour permeability of the substrate

### LIMITATIONS:

1. Solvent based coating
2. High VOC content
3. Testing on site on a small area may be necessary in order to decide the amount of V188 required and effectiveness of the impregnation.
4. Testing of topcoat adhesion should take place before applying to the entire area.

**APPLICATION DATA**

<b>Mixing</b>	: Light stir before use.
<b>Equipment</b>	: Spray, roller or brush
<b>Cleaning</b>	: White spirits
<b>Typical Specification</b>	: Clear CFC Coating 1. CFC impregnation: V188 One coat 60 to 100ml/m <sup>2</sup> 2. V643 Clear 30% Gloss 75 µm DFT.

**SURFACE PREPARATION:**

All surfaces to be structurally sound and free of contamination, particularly salt deposits. Oil, grease, dirt etc must be removed with detergent and water blasting or solvent degrease in accordance with AS 1627.1

**WORK STOPPAGES** : Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with **A & I Coatings** recommended cleaner.

**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**

<b>Packing</b>	: Available in 20L pails. For availability of other sizes, contact <b>A &amp; I Coatings</b> .
<b>Storage</b>	: 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 Vitrethane 188. 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**.

October 2018 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.