

Two Pack Polysiloxane Coating VITREGUARD 840

PRODUCT DESCRIPTION: A & I Coatings VITREGUARD 840 is a two pack acrylic polysiloxane top coat that can cure at room temperature or under low bake conditions. Vitreguard 840 gives very good UV resistance and weathering performance and has very good application properties. This technology lowers the lifetime maintenance cost of coatings in a variety of environments, as it combines the benefits of epoxy corrosion resistance and 3rd generation polysiloxane technology, with the benefit of no isocyanate.

TYPICAL APPLICATIONS:

- High capital cost structures
- Bridges
- Towers
- Wind turbines
- Chemical plants
- Structural steel and roofing

TECHNICAL INFORMATION

Vehicle Type	: Acrylic Polysiloxane
Hardener	: Amine
Pigmentation	: Various.
Mixing Ratio	: 4:1(Part A: Part B) by Volume.
Pot life	: 4 hours at 25°C, less at higher temperatures.
Finish	: Gloss or satin
Colour	: Unlimited colour range.
Dry time	: Touch dry 90 mins @25°C Dry to handle 24 hours @25°C. Hard enough to handle overnight but progressively cures over 7 days. Full cure 7 days @25°C
Recoat time	: Flash off time: 2 – 6 minutes between coats at 25°C. If higher film build required, leave till solvent out of coating, normally 2 – 4 hours. If longer than 48 hours, sand lightly to achieve a mechanical bond.
Primer Required	: Yes, dependant on substrate. Contact A & I Coatings for specific applications.
Theoretical Coverage	: 10.2m ² /Litre@75 microns theoretical.
Volume Solids	: Approx 76% dependant on pigmentation.
Recommended DFT	: 75-125 microns DFT.
Usual no. of coats	: 1 – 2 coats wet on wet.
Flexibility	: Adequate for any normal substrate movement.
Bacterial Resistance	: Excellent.
Chemical Resistance	: Very good
Dry heat Resistance	: Excellent.
Solvent Resistance	: Very Good.
Salt Spray Resistance	: Excellent.
Thinning	: V111 Medium Thinners.

Salt Spray Resistance to AS2331.3.1 : Superior to polyurethane with an efficient primer system.
Product weight : 1.4kg/Litre.

APPLICATION DATA

Mixing : Mix Pack A and Pack B in the ratio 4: 1 by volume and stir thoroughly.
Equipment : Air atomisation, airless, air assisted airless, HVLP (**A & I Coatings** technical staff can assist in this area).
Cleaning : V102 Cleaning Thinners.
Thinning : V111 Medium Thinners.
Typical Specification : Contact **A & I Coatings** for specific Specifications, dependant on substrate.

SURFACE PREPARATION:

All surfaces to be structurally sound and free of contamination, particularly salt deposits. Loose or flaking paint must be removed by abrasive blast cleaning, power tool cleaning or sanding, to AS 1627. Oil, grease, dirt etc must be removed with detergent and water blasting or solvent cleaning to AS1627.1. Primers should be abraded as necessary.

CFC and Cementitious Board

All surfaces to be structurally sound and free of contamination, particularly salt deposits. Ensure surface is dry and free of all sand, dust, oil, grease and moisture before application of primer – Vitrethane 555 or similar.

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 5 or 20L packs. 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 Vitreguard 840. 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**.

SEPTEMBER 2018 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.