

VITREFLON 192

TECHNICAL DATA SHEET

Hydrophobic Anti-Graffiti Sealer for Mineral Surfaces



A & I Coatings VITREFLON 192 is a hydrophobic, non-sacrificial, low VOC, single pack water borne solution for vertical surfaces with excellent graffiti and chemical resistance. Repeated graffiti removal can be achieved from one application with a combination of graffiti removal agents and hot water pressure washing. Vitreflon 192 is non-film forming and can be applied to a variety of porous substrates providing an invisible oleophobic and hydrophobic layer.

USES & BENEFITS	Primarily used as an anti-graffiti coating over porous substrates: • Concrete • Brick • Natural stone • Porous masonry surfaces				
	Benefits		Limitations		
	1. Fast and cost-effective way to protect vertical surfaces 2. Excellent graffiti and oil resistance 3. Low VOC 4. Invisible and does not change appearance of surface		1. Only suitable for porous substrates i.e., it cannot be used on glazed tiles. 2. Not to be applied above 85% R.H. 3. Apply when ambient temperatures are between 10°C – 40°C		
GRAFFITI REMOVAL	Graffiti can be removed using a combination of graffiti removal agents and hot water. A&I recommends Selleys Muck-off graffiti remover.				
PHYSICAL PROPERTIES	Vehicle Type	Water-borne Fluorochemical			
	Components	One			
	Pot Life	Not applicable			
	Finish	Invisible			
	Flash point	Non-flammable			
	Volume Solids	Not applicable			
	Mixing Ratio v/v	Single pack			
	Thinner	Do not thin			
	Colour	Clear colourless			
	Coverage	3-5 m ² /L for 2 passes			
	Product Weight	1.005Kg/Litre			
	VOC Content	<1 g/L			
DRYING DATA AT 25°C	Substrate Temp.(°C)	Humidity	Full cure	Overcoat Min	Overcoat Max
	25 °C	50%	7 days	7 days	N/A
	Note: Will vary depending on ventilation, humidity, film thickness, and other factors				
APPLICATION DATA	Brush/Roller	Suitable for small areas. Apply coats of the material evenly to the prepared surface.			
	Conventional Spray	Applied as multiple wet coats with 50% overlap for each pass			
	Airless Spray	May be sprayed with standard airless spray equipment set at 1800 psi. Do not use tips above 0.21mm to avoid application of excess material			
	Pump Spray	A quality pump-up spray tank equipped with an adjustable spray pattern is suitable			
	Cleaning	Clean with warm water and water-based detergent after use			
	Precautions V192 should only be used by experienced coating applicators as this is an industrial product. Consult with A&I Coatings if conditions may require variation from the technical data sheet provided. Do not apply in conditions outside the parameters stated in this document without contacting A&I Coatings. Do not apply at temperatures below 10°C or above 40°C. Where multiple passes are required, the product must be applied wet on wet. Excessively rapid drying can limit product effectiveness. Do not apply in conditions outside those recommended on this data sheet. A&I Coatings cannot guarantee that every type of graffiti can be completely removed. This technology may not be able to protect against graffiti agents which etch, or QAF 034 Version No 8 Pg:2 otherwise damage the substrate. Highest protection is achieved after 7 days of curing. Do not use this product for this application without reference to an A&I Coatings product specification.				

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SUBSTRATE SYSTEMS	Smooth Surface (Precast concrete)	Clean and degrease surface to remove contaminants, including bond breakers. 1 coat of V192 is required with 1-2 passes and a coverage rate of 5 m ² / L. Multiple passes to be applied wet on wet.
	GRC	May be applied to newly sprayed GRC after 24 hours, while GRC is still in the mould.
	Porous Surface (Clay bricks, Natural stone, Concrete)	Clean and degrease surface to remove contaminants. 1 coat of V192 is required with 1-2 passes and a coverage rate of 4 m ² / L. Multiple passes to be applied wet on wet.
	Very Porous (Sandstone)	Clean and degrease surface to remove contaminants. 1 coat of V192 is required with 1-2 passes and a coverage rate of 3-4 m ² / L. Multiple passes to be applied wet on wet.
SURFACE PREPARATION	Concrete	Concrete must be at least 3 days old. Remove curing compounds, oil, grease and other oily contaminants with a water-based cleaner degreaser. The surface must be free from contaminants including grease, oil, dirt, bond breakers, previous coatings, sealers, and loosely adhering materials. An industrial detergent and hot water high-pressure cleaning may be required for persistent deposits. Soft and easily damaged substrates, such as limestone and some sandstone, may require specialized preparation prior to treatment with V192. Concrete should be fully cured. Application over strongly alkali surfaces (such as new concrete) will affect the performance of V192. Any pre-existing coatings or contaminants will reduce the effectiveness of V192. Apply one or two layers of V192 to the surface being protected using low pressure spray. The amount of V192 required will increase with increasing porosity of the surface being coated. Subsequent layers can be applied when the coating becomes hand dry. Once allowed to fully dry no further material can be added. Refer to the recommended system guide for a rough indication of the spreading rates required for the surface to be protected. Insufficient application of V192 will dramatically affect its performance and ability to protect the substrate.
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.
	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 delays).
HANDLING & STORAGE	Handling	As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Approved eye protection should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet.
	Storage	Store in a well-ventilated area. Keep containers closed at all times.

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 Vitreflon 192. Users should familiarize themselves with all the safety aspects of the product prior to use. 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

PO Box 820
Moss Vale NSW 2577

7 Lackey Road
Moss Vale NSW 2577

Australia **1800 819 585**
International **+61 2 4869 1441**
Fax **+61 2 4869 3031**
Email helpdesk@aicoatings.com
www.aicoatings.com

