

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Vinyl Co-Polymer
<b>Description</b>	V-102E Vinyl Finish Aluminium is a single pack coating for use over V-766E Vinyl Primer Intermediate and is specifically formulated to protect metal or concrete surfaces in hydraulic structures or exposed to weather, water, and many chemicals.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Conforms to US Army Corps of Engineers formulation requirements</li> <li>• Excellent adhesion to metal / concrete when used in conjunction with V-766E Primer Intermediate</li> <li>• Good recoatability, even after weathering</li> <li>• Excellent resistance to mineral oils, grease, and many chemicals</li> <li>• Fast drying</li> <li>• Excellent flexibility &amp; impact resistance</li> <li>• Good abrasion resistance</li> <li>• Excellent resistance to prolonged water condensation</li> </ul>
<b>Colour</b>	Aluminium
<b>Finish</b>	Satin
<b>Primer</b>	<p>V-766E Vinyl Primer Intermediate. V-102E Vinyl Finish Aluminium is normally used as final coats over V-766E Primer Intermediate in a multi-coat system sequence as described below: <i>US Army Corps of Engineers - System #3</i></p> <ul style="list-style-type: none"> <li>• Coat 1 - V-766E White at 37 microns</li> <li>• Coat 2 - V-766E Grey at 37 microns</li> <li>• Coat 3 - V-102E at 37 microns</li> <li>• Coat 4 - V-102E at 37 microns</li> </ul>
<b>Film Build</b>	35 - 40 microns dry per coat Dry film thickness in excess of 50 microns per coat is not recommended
<b>Solid(s) Content</b>	19% ± 1%
<b>Theoretical Coverage Rates</b>	5.14 m <sup>2</sup> /litre at 37 microns dry Allow for loss in mixing and application
<b>Limitations</b>	Not recommended for solvent immersion or splash.

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	<p>V-102E Vinyl Finish Aluminium should only be applied over properly prepared and primed surfaces. V-102E Vinyl Finish Aluminium is <b>not</b> meant to be used directly applied to metal surfaces. All surfaces must be sound and free of oil, grease, dirt, loose and flaking paint, moisture, and other foreign substances prior to coating application. Clean and/or degrease with either a suitable non-ionic detergent (such as Altex P40 Cleaner), or solvent wipe with Altex C50 Surface Cleaner prior to abrading or sandblasting.</p>
<b>Steel</b>	<p>For optimum results abrasive blast to Near White Metal equivalent to AS 1627.4 Sa 2½. For non-immersion or light service satisfactory results will be obtained by abrasive blasting to AS 1627.4 Sa 2. Prime the prepared steel substrate with V-766E Vinyl Primer Intermediate.</p>

# V-102E Vinyl Finish Aluminium

## PRODUCT DATA SHEET



### SUBSTRATES & SURFACE PREPARATION

<b>Aluminium</b>	Typically surfaces should be lightly abraded with either a Scotchbrite® pad or P220-320 sandpaper. Prime the prepared aluminium substrate with V-766E Vinyl Primer Intermediate.  <i>Scotchbrite® is a registered trademark of the 3M Company</i>
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### MIXING & THINNING

<b>Mixing</b>	Stir thoroughly to ensure a homogeneous condition. This product is supplied at application consistency however some thinning may be required depending upon the type of surface to be painted and the prevailing ambient conditions.
<b>Thinning</b>	Thinning is not normally required; however up to 10% Altex Thinning Solvent #2 may be added without adverse affect on the coating.
<b>Pot Life</b>	N/A - single component

### APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

<b>General</b>	The preferred method of application for this product is by conventional spray. <b>Airless spray is not recommended.</b>
<b>Conventional Spray</b>	Pressure pot equipped with dual regulators, 9.5 mm (3/8") I.D. minimum material hose, 1.8 mm to 2.5mm I.D. fluid tip and appropriate air cap. Typical equipment (or equivalent): <ul style="list-style-type: none"><li>• DeVilbiss MBC-510 gun</li><li>• E Tip &amp; Needle</li><li>• 765 Air Cap</li></ul>
<b>Airless Spray</b>	<b>Not recommended</b>
<b>Brush &amp; Roller (General)</b>	Small areas may be brushed or rolled if conditions are suitable; however care must be taken to ensure the correct film build is applied.

### CURING SCHEDULE

Surface Temp.	Dry to Touch	Dry to Handle	Dry to Recoat
25°C (77°F)	30 Minutes	2 Hours	6 Hours

Curing schedule based on 37 microns DFT

### CLEANUP & SAFETY

<b>Cleanup</b>	Use Thinner #2 or toluene
<b>Ventilation</b>	It is very important for the safety of the applicator and the proper performance of the applied coating that good ventilation be provided to all portions of the enclosed area. It is equally important to bring into the enclosed area dry fresh air to remove all solvent vapours. Since solvent vapours are heavier than air, ventilation ducts should reach to the lowest portions of the enclosed areas as well as into any structural pockets. Ventilation should be provided throughout the cure period to ensure all of the solvents are removed from the coating.

## CLEANUP & SAFETY

**Caution** | For industrial use only: Read and follow all the caution statements on this Product Data Sheet, the product label and the Safety Data Sheet (SDS) for health and safety information prior to use. This product is flammable. Keep away from heat, sparks and open flame. Use with adequate ventilation. May cause eye and skin irritation. Do not breathe vapour or spray. Wear suitable protective clothing such as gloves and eye and face protection.

## PACKAGING, HANDLING & STORAGE

**Packaging** | 20 litre

**Shelf Life** | 24 months at 24°C

**Storage Temperature & Humidity** | 0-40°C  
0-90%

**Flash Point (Setaflash)** | 4°C Setaflash

**Storage** | Store indoors under cool (10-24°C) dry conditions

## WARRANTY

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