

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Vinyl Co-Polymer
<b>Description</b>	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. V-102E conforms to US Army Corps of Engineers formulation requirements.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Excellent adhesion to metal / concrete when used in conjunction with V-766E Primer</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>Gloss</b>	Satin / Egg-shell
<b>Film Build</b>	35 - 40 microns Do not exceed 50 microns
<b>Solid(s) Content</b>	19% ± 1%
<b>Theoretical Coverage Rates</b>	5.14 sq. metres per litre at 37 microns DFT
<b>Limitations</b>	Not recommended for solvent splash or immersion.
<b>Topcoats</b>	<p>Normally used as final coats over V-766E Primer Intermediate in a multi-coat system sequence as described below.</p> <p><i>US Army Corps of Engineers - System #3</i></p> <ul style="list-style-type: none"> <li>» Coat 1 - V-766E White @ 37 µm</li> <li>» Coat 2 - V-766E Grey @ 37 µm</li> <li>» Coat 3 - V-102E @ 37 µm</li> <li>» Coat 4 - V-102E @ 37 µm</li> </ul>
<b>Specific Gravity</b>	0.952 kg per litre

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	<p>V-102E should only be applied over properly prepared and primed surfaces. V-102E is <b>not</b> meant to be used directly applied to metal surfaces.</p> <p>All surfaces must be sound and free of oil or grease prior to application.</p> <p>Where necessary clean and /or degrease with either a suitable non-ionic detergent (such as Altex P40 Cleaner), or solvent wipe with Altex C50 Cleaner.</p>
<b>Steel</b>	<p>For optimum results abrasive blast to Near White Metal equivalent to AS 1627.4 Class 2½.</p> <p>For non-immersion or light service satisfactory results will be obtained by abrasive blast to AS 1627.4 Class 2.</p> <p>Prime prepared steel with V-766E Vinyl Primer.</p>

# V-102E Vinyl Finish Aluminium

## PRODUCT DATA SHEET



### SUBSTRATES & SURFACE PREPARATION

<b>Aluminum</b>	Degrease as noted in General Notes above. Typically surfaces should be lightly abraded with either a Scotchbrite® pad or P220-320 sandpaper. Prime prepared surface with V-766E Vinyl Primer.  <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% DB Vinyl Thinner 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> Small areas may be brushed or rolled if conditions are suitable; however care must be taken to ensure the correct film build is applied.
<b>Air Spray</b>	Conventional air spray with pressure pot. 1.8mm to 2.5mm Fluid Tip with appropriate Air Cap. Typical equipment (or equivalent): » DeVilbiss MBC-510 gun » E Tip & Needle » 765 Air Cap
<b>Airless Spray</b>	<b>Not recommended</b>

### CURING SCHEDULE

<b>Curing Details</b>	<b>Dry Times (25°C / 37 µm DFT / 50% RH):</b> Touch Dry: 30 minutes To Handle: 2 hours <b>Recoat Minimum:</b> Self: 6 hours
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### CLEANUP & SAFETY

<b>Cleanup</b>	Use DB Vinyl Thinner or toluene
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## CLEANUP & SAFETY

<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.
<b>Caution</b>	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

<b>Shelf Life</b>	24 months at 24°C
<b>Storage Temperature &amp; Humidity</b>	0°-40°C 0-90%
<b>Flash Point (Setaflash)</b>	4°C Setaflash
<b>Storage</b>	Store indoors under cool (10°-24°C) dry conditions
<b>Packaging</b>	20 litre

## WARRANTY

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