

## ViterEtch CFE PVB Etch Chromate-free

<b>Product Description</b>	<b>A two pack pvb etch primer, chromate-free, for steel and non-ferrous metals.</b>				
<b>Features &amp; Use</b>	<ul style="list-style-type: none"> <li>• Formulated to be free from zinc chromate to EU Legislation 2007</li> <li>• Use as an adhesion promoter for degreased galvanising, aluminium, copper, brass, nickel and cadmium</li> <li>• Also suitable for aluminium cladding, galvanised structures and railings</li> <li>• May be applied as a sealer coat to aluminium and zinc metal spray</li> <li>• Can be used as a 'wash' primer on smooth ferrous substrates</li> <li>• Suitable for the commercial vehicle and steel fabrication industry</li> <li>• Can be overcoated with a wide range of both single pack and two pack products</li> </ul>				
<b>Approvals/ Certification</b>	Please consult Spencer Coatings				
<b>Finish</b>	Matt				
<b>Volume Solids</b>	12 ± 2%				
<b>VOC Content</b>	720 ± 20 g/litre				
<b>Film Thickness Range And Coverage</b>		<b>Dry Film Thickness</b>	<b>Wet Film Thickness</b>	<b>Theoretical Coverage</b>	
	<b>Typical</b>	5 µm	42 µm	24.0 m <sup>2</sup> /litre	
	<b>Maximum</b>	10 µm	83 µm	12.0 m <sup>2</sup> /litre	
Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated					
<b>Drying Times</b>	Applied to <b>10 microns DFT</b>		<b>+10°C</b>	<b>+23°C</b>	<b>+35°C</b>
	<b>Dust Free</b>		40 min	20 min	5 min
	<b>Hard Dry</b>		80 min	30 min	15 min
	<b>Overcoating</b>	Minimum	8 hr	4 hr	2 hr
		Maximum	24 hr		
Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation					
<b>Colours</b>	Buff				
<b>Mix Ratio/ Product Code</b>	Base	<b>6070 815</b>	1 part by volume		
	Hardener	<b>4067 007</b>	1 part by volume		
<b>Pot Life</b>	8 hours at 23°C				
<b>SG</b>	0.89-0.93 kg/lit mixed				
<b>Storage Conditions</b>	Store in dry, cool conditions and protect from frost				
<b>Shelf Life</b>	Minimum 12 months if stored as above in unopened containers				
<b>Flash Point</b>	Below 23°C – low flash material				

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<b>Surface Preparation</b>	<ul style="list-style-type: none"> <li>• <b>Carbon Steel</b> (non-blasted): thoroughly degrease and prepare to St2 (ISO 8501-1:2007) taking care to avoid 'polishing' the surface</li> <li>• <b>Galvanised Steel:</b> thoroughly degrease using a propriety biodegradable degreaser, rinse with clean fresh water and allow to dry before coating. It is essential to remove all flux, zinc salts and high profile zinc spatter. Very smooth or glossy areas should be lightly abraded to provide a 'key'</li> <li>• <b>Aluminium, Copper, Brass, Cadmium and Nickel:</b> thoroughly degrease using a propriety biodegradable degreaser to remove all verdigris, salts and other contaminants. Wash with clean fresh water and allow to dry. Very smooth or glossy areas should be lightly abraded to provide a 'key'</li> <li>• <b>Zinc and Aluminium Metal Spray:</b> ensure the surface is dust free and no salt formation has occurred. Apply the material until absorption is complete</li> <li>• All surfaces to be coated should be dry and cleaned as necessary to remove all oil, grease, salts, weld flux or other contamination. Where necessary, remove weld spatter and grind smooth all sharp edges and weld seams</li> </ul>				
<b>Mixing</b>	<p>Mix only in the proportions stated, mixing each component individually then together using a mechanical agitator. Agitate periodically during use to ensure product remains homogeneous.</p> <p><b>Mix immediately prior to using. Mixed material must be discarded after 8 hours at 23°C.</b></p>				
<b>Thinner</b>	950 Thinner		<b>Equipment Cleaner</b> 950 Thinner		
<b>Application Conditions</b>	<p>Only apply in conditions of good ventilation which must be maintained during drying and curing. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point. Only apply this product when the above conditions can be maintained throughout the critical application and drying/curing process. Paint temperature should ideally be at a minimum of 15°C.</p>				
<b>Application Methods</b>	<b>Method</b>	<b>Airless Spray</b>	<b>Conventional Spray</b>	<b>Brush</b>	<b>Roller</b>
		Yes	Yes	Yes	No
	<ul style="list-style-type: none"> <li>• Airless Spray: Output fluid pressure at tip 1500-2500 psi, Tip Size: 9-13 thou (0.23-0.33mm)</li> <li>• Avoid sags and runs particularly when application is by brush</li> </ul>				
<b>Product Notes</b>	<ul style="list-style-type: none"> <li>• Do not exceed the maximum stated dry film thickness</li> <li>• Should not be applied or cured at temperatures below 4°C. Temperature should preferably remain at a minimum of 10°C</li> <li>• Do not use on surfaces operating above of 60°C</li> <li>• Must be protected from weathering prior to being recoated</li> <li>• Inadequate surface preparation will result in poor coating adhesion.</li> <li>• <b>Caution - contains phosphoric acid</b></li> <li>• Low flash material – ventilate to keep solvent vapour levels below minimum explosive limit and observe low flash regulations</li> </ul>				
<b>Health &amp; Safety</b>	<p>Containers are provided with safety labels which should be observed. Further information about hazardous influences and protection are detailed in individual Product Safety Data Sheets. A Safety Data Sheet for this product is available on request from Spencer Coatings.</p>				

This information is given in good faith for the guidance of users but without warranty or liability. Any queries should be referred to our Technical Department. The above information, based on laboratory tests and practical experience has been proved valid at the date marked on the product data sheet. When necessary verify the validity of the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of the standards ISO 9001. As a manufacturer we cannot be responsible for any damages caused by using the product against our instructions or for inappropriate purposes. This product is for professional use only.