

ViterBlast EV110 Epoxy Blast Primer

Product Description	A two pack epoxy zinc phosphate holding primer for the temporary protection of blast cleaned steelwork.				
Features & Use	<ul style="list-style-type: none"> • Fast drying to ensure minimal stoppage for continual blasting operations • Lloyds Register welding approvals • Enables welding and fabrication when applied at the recommended dry film thickness • Can be overcoated with most generic groups (excluding zinc rich) • Where temporary protection is required prior to fabrication • Suitable for marine plate and structural steel • Application by automatic spray, airless spray and conventional spray 				
Approvals/ Certification	Please consult Axalta Coating Systems				
Finish	Matt				
Volume Solids	32 ± 2%				
VOC Content	591 ± 20 g/litre				
Film Thickness Range And Coverage		Dry Film Thickness	Wet Film Thickness	Theoretical Coverage	
	Typical	20 µm	62 µm	16.0 m ² /litre	
	Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated				
Drying Times	Applied to 20 microns DFT		+10°C	+23°C	+35°C
	Dust Free		8 min	3 min	2 min
	Hard Dry		12 min	5 min	4 min
	Overcoating	Minimum	16 hr	8 hr	4 hr
		Maximum	Depends on conditions – see Product Notes		
	Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation				
Colours	Red Oxide				
Mix Ratio/ Product Code	Base	3339 001	3 parts by volume		
	Hardener	4050 051	1 part by volume		
Pot Life	12 hours at 23°C				
SG	1.25-1.30 kg/lit mixed				
Storage Conditions	Store in dry, cool conditions and protect from frost				
Shelf Life	Minimum 12 months if stored as above in unopened containers				
Flash Point	Below 23°C				

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Surface Preparation	<ul style="list-style-type: none"> 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 Blast clean to Sa2½ (ISO 8501-1:2007), surface profile 50-75 microns 														
Mixing	<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>														
Thinner	903 Thinner		Equipment Cleaner 950 Thinner												
Application Conditions	<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>														
Application Methods	<table border="1"> <thead> <tr> <th data-bbox="451 864 692 938">Method</th> <th data-bbox="692 864 938 938">Airless Spray</th> <th data-bbox="938 864 1185 938">Conventional Spray</th> <th data-bbox="1185 864 1339 938">Brush</th> <th data-bbox="1339 864 1489 938">Roller</th> </tr> </thead> <tbody> <tr> <td data-bbox="451 938 692 994"></td> <td data-bbox="692 938 938 994">Yes</td> <td data-bbox="938 938 1185 994">Yes</td> <td data-bbox="1185 938 1339 994">Yes</td> <td data-bbox="1339 938 1489 994">Yes</td> </tr> </tbody> </table>					Method	Airless Spray	Conventional Spray	Brush	Roller		Yes	Yes	Yes	Yes
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<ul style="list-style-type: none"> Airless Spray: Output fluid pressure at tip 1500-2500 psi, Tip Size: 15-23 thou (0.38-0.58mm) Can be applied by automatic airless spray – mix 3 parts EV110 to 1 part 903 Thinners Brush and roller should only be used for touch-up of small areas as the product dries very quickly Refer to Axalta Coating Systems 'Epoxy Application and Curing Notes' 															
Product Notes	<ul style="list-style-type: none"> This is a low flash material - ventilate to keep solvent vapour levels below minimum explosive limit and observe low flash regulations Avoid excessive film thicknesses - solvents will flash-off too quickly to allow accurate measurement of wet film thickness to be taken Product is very fast drying – ensure that a full continuous wet coat is applied. Care must be taken to prevent dry spray. May be thinned up to 5% to aid application if required Overcoating: can be overcoated after extended periods if the surface of the coating is intact and clean, please consult Axalta Coating Systems for advice. Note that this is a thin-film coating intended to provide limited, short-term protection during fabrication 														
Health & Safety	<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 Axalta Coating Systems.</p>														

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