

COATING TYPE:	<b>A surface tolerant two-pack epoxy coating compound incorporating a rust inhibitor and passivator, with MIO and Glass Flake for increased protection.</b>
SUGGESTED USE:	ZF is manufactured to give good corrosion protection on rusted metals with minimum surface preparation, it may also be applied to UHP water-blasted or grit-blasted surfaces as an inhibitive coating or primer. ZF can be used entirely on its own, in single or multiple coats or can be overcoated with other Plasmemet coatings to give a smoother, more easily cleaned and chemically resistant surface. ZF is tough, durable and tolerant of vehicular traffic. It can be used for protection in both atmospheric and immersed conditions. In atmospheric conditions ZF may be used under decorative finishes such as polyurethane or enamel.
LIMITATIONS:	Not suitable for immersion in strong acidic or alkaline environments unless overcoated.
HEALTH & SAFETY:	<b>WARNING:</b> When using this product safety precautions should be observed. Avoid contact with skin or eyes, do not ingest. Protective clothing and goggles should be worn. Ensure good ventilation and wear a fume mask suitable for hydrocarbon vapours. When using in confined spaces an air fed mask should be worn. Read safety data sheet before use.
SURFACE PREPARATION:	Remove oil, grease and any other surface contaminants utilising a suitable solvent, detergent cleaner or emulsifier. ZF will tolerate damp surfaces but excess moisture must be removed, dry is best. Most existing firmly bonded coatings can be tolerated and overcoated by ZF.
APPLICATION EQUIPMENT:	Brush and roller, or airless spray equipment using a 45:1 ratio or greater pump and gun fitted with a 19 to 25 thou tip of reversible type.
MIXING RATIO:MIXING:	Approximately 3:1 base to activator <b>by volume</b> ; 7:1 base to activator <b>by weight</b> . Remove lids from both components A-Activator and B-Base and pour all of component 'A' into component 'B' and mix thoroughly. Ensure that no unmixed material remains, the material is now ready for use and should be applied as soon as possible. After mixing, the material remains usable for a limited period dependent upon temperature, after which time application becomes difficult. A small amount of ZF thinner floated on top of the material will aid brush application in hot climates.
POT LIFE:	At 68°F (20°C), 1.5 hours for brush/roller application or 50 minutes for spray application.
APPLICATION:	Plasmemet ZF should be applied thin enough to avoid runs or sags in the coating at a wet film thickness of approximately 10 mils (250 microns) (4 to 6 mils dft ((100 to 150 microns dft)). ZF should not be applied to surfaces at temperatures below 37.4°F (4°C). This material will tolerate high humidity conditions during application but the surface temperature should be at least 39.2°F (3°C) above dew point.

THINNERS:	A blended thinner may be obtained from Corrocoat where thinning is necessary and may be used to thin ZF to a maximum of 10%.	
PACKAGING:	5 gallon (18.9 liter) composites.	
STORAGE LIFE:	1 Year minimum in unopened tins.	
COLOR AVAILABILITY:	Black, red oxide, light grey, green.	
RECOMMENDED DFT:	Dependent upon service duty, but generally one coat at 6 mils (150 microns) in light atmospheric duty; two coats at 6 mils (150 microns) in aggressive atmospheric or immersed conditions. Edge and stripe coating will be required with both single or double coats. ZF may be used at 120um as a primer for other topcoats and paints.	
VOLUME SOLIDS:	57.5 % by volume.	
PRACTICAL SPREADING RATE:	130ft <sup>2</sup> /gal at 6 mils dft (3.2 m <sup>2</sup> /litre at 150 micron dft) <b>Note:</b> This information is given in good faith but may increase dependent upon environment conditions, the geometry and nature of work undertaken and the skill and care of application. Corrocoat accept no responsibility for any deviation from this value.	
SPECIFIC GRAVITY:	Base and activator mixed .065029 lbs/in <sup>3</sup> (1.8 gms/cc)	
FLASH POINT:	68°F (22°C)	
ACTIVATOR TYPE:	Polyamide	
MIXING RATIO:	757 part base to 245 part activator <b>by volume.</b>	
ABRASION RESISTANCE:	Excellent	
CHEMICAL RESISTANCE:	Good	
TEMPERATURE RESISTANCE:	Approximately 104°F (60°C) immersed; up to 203°F (95°C) immersed when over-coated with a suitable top coat. 266°F (130°C non-immersed.)	
DRY/CURE TIME:	Cure time will vary dependent upon temperature but will be approximately 30 hours at 39.2°F (4°C); 18 hours at 68°F (20°C), 10 hours at 86°F (30°C).	
OVERCOATING:	Minimum:	As dry/cure time above
	Maximum:	7 days
CLEANING SOLVENT:	Xylene, toluene or methyl ethyl ketone	

**All values are approximate. Information regarding application of the product is available in the Corrocoat manual. Should further information be required, please consult Corrocoat Technical Services.**

Reviewed 2/2014 (No change)  
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