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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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ZINC CLAD[™] IV EU **EPOXY ZINC RICH PRIMER**

FORMERLY KNOWN AS ZINC CLAD M501

Revised 07/07/2017 Issue 2

PRODUCT INFORMATION

PRODUCT DESCRIPTION			PRACTICAL APPLICATION RATES													
A 2-pack epoxy zinc rich anti-corrosive primer.			Microns Per Coat (Mils)													
Recommended Uses				Airless S	prav:											
Anti-corrosive protection of steel surfaces prepared by abrasive			Dry:	60*												
blast cleaning.		Wet:	98 (4)												
May be used as a repair primer for galvanized surfaces.			* Maximum sag tolerance typically 164µm wet (100µm) (4.0 mils) dry by airless spray.													
Endorsements																
Meets the performance requirements of ISO20340 (2009) as part of a three coat system			Average Drying Times													
 Conforms to composition and performance requirements of Norsok M501 Rev.5 (2004) System 1 			@ 98 microns (4 mils) wet:													
				@ 5°C/41°F	@ 15° C/59 °F	@ 23°C/74°F	@ 35°C/95°									
			To touch:	25 mins	25 mins	20 mins	15 mins									
HA Item No 109	_		To handle:		14 hours	12 hours	10 hour									
Recommende	D APPLICATION	Methods	To recoat	6 hours	5 hours	4 hours	3 hour									
Airless Spray Brush (for small areas and touch up only)			For overcoating information, refer to Recommended Topcoats section. Drying time is temperature, humidity, and film thickness dependent.													
Thinner / Clean Up:		hinner No. 5	Pot Life:		10 hours	8 hours	4 hours									
				Applic	ATION EQUIP	MENT										
P RODUCT C HARACTERISTICS			The following is a guide. Changes in pressures and tip sizes may													
Flash Point: Base: 24°C/75°F Additive: 24°C/75°F			be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be													
				compliant with existing VOC regulations and compatible with the												
Color:	Grey		existing environmental and application conditions.													
Volume Solids:	61 ± 3% (ASTM-E	2697-03)	Airless Spray:													
VOC: 311 gms/litre determined practically in accordance with UK Regulations PG6/23 379 gms/litre calculated from formulation to satisfy EC Solvent Emissions Directive 159 gms/kilo content by weight from formulation, to satisfy EC Solvent Emissions Directive			Nozzle Size:0.38mm (15 thou) Fan Angle:													
								Operating Pres	sure:	115kg/cm ² (16	ouu psi)					
			The airless spray details given above are intended as a guide only. Details such as fluid hose length and diameter, paint temperature and job shape and size all have an effect on the spray tip and operating pressure chosen. However, the operating pressure should													
								Mix Ratio:	4 parts base to 1 part additive by volume			be the lowest possible consistent with satisfactory atomisation. As				
								Recommended Thickness			conditions will vary from job to job, it is the applicators' responsibility to ensure that the equipment in use has been set up to give the					
					Minimum	best results.	the equipme	ent in use has	been set up	to give the						
		60 (2.5)	Раскаде													
Wet microns (mils)		98 (4)	Shelf Life:	18 n	nonths from o	date of manu	facture or									
		9.84 * (400)			By' date whe											
* This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment. Film thickness will vary depending on actual use and specification.																

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Recommended Topcoat	Surface Preparation			
Indefinitely overcoatable with epoxy systems provided a minimum of 60 microns (2.5 mils) dft is obtained.	Blast clean to Sa2 ¹ / ₂ BS EN ISO 8501-1:2007 (SSPC-SP10/ NACE2) Average surface profile in the range 50 - 75 microns (2.3 mills).			
Do not overcoat with paints containing saponifiable resins such as oleo-resinous or alkyd based paints unless a non-saponifiable resin based barrier coat has been applied first.	Ensure surfaces to be coated are clean, dry and free from all surface contamination.			
	For repair of galvanizing, for small areas, abrade the surface to a minimum standard of St3 BS EN ISO 8501-1:2007			
Additional Notes	(SSPC-SP3) feathering off the edges of intact galvanizing			
Drying times, curing times and pot life should be considered as a guide only.	surrounding such areas, and then brush apply the primer. For large areas it is recommended that the surface is flash blasted.			
The curing reaction of epoxies commences immediately the two	APPLICATION CONDITIONS			
components are mixed, and since the reaction is dependent on temperature, the curing time and pot life will be approximately halved by a 10°C/50°F increase in temperature and doubled by a 10°C/50°F decrease in temperature.	Epoxy paints should preferably be applied at temperatures in excess of 10°C/50°F. In conditions of high relative humidity, ie 80-85% good ventilation conditions are essential. Substrate temperature shall be at least 3°C/37°F above the dew point and always above 0°C/32°F.			
Exposure to Weathering If Zinc Clad IV EU is exposed to the weather, there is a risk of the formation of zinc salts on the surface, which must be removed by flash blasting or washing down prior to overcoating, otherwise	At application temperatures below 10°C/50°F, drying and curing times will be significantly extended, and spraying characteristics may be impaired.			
intercoat adhesion may be adversely affected. The rate of zinc salt formation will vary from one location to another. Under severe conditions e.g. marine coastal, offshore or heavy	Application at ambient air temperatures below 5°C/41°F is not recommended.			
industrial areas, it is strongly recommended that overcoating takes place within 7 days.	In order to achieve optimum water and chemical resistance, temperature needs to be maintained above 10°C/50°F during curing.			
Epoxy Coatings - Tropical Use	Ordering Information			
Epoxy paints at the time of mixing should not exceed a temperature of 35°C/95°F. At this temperature the pot life will be approximately halved. Use of these products outside of the pot life may result	Packaging: A two component material supplied in separate containers to be mixed prior to use.			
in inferior adhesion properties even if the materials appear fit for application. Thinning the mixed product will not alleviate this	Pack Size: 10 litre (2.6 gal) and 5 litre (1.3 gal) units when mixed			
problem. The maximum air and substrate temperature for application is 50°C/122°F providing conditions allow satisfactory application	Weight: 2.64 kg/litre (26.5 lb/gal)			
and film formation. If the air and substrate temperatures exceed	Health & Safety			
50°C/122°F and epoxy coatings are applied under these conditions, paint film defects such as dry spray, bubbling and pinholing etc. can occur within the coating.	Consult Product Health and Safety Data Sheet for information on safe storage, handling and application of this product.			
Numerical values quoted for physical data may vary slightly from	WARRANTY			
batch to batch.	Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and			
CLEAN UP INSTRUCTIONS	The information detailed in this Data Sheet is liable to modification from time to time in the light of experience and of normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.			
Clean spills and spatters immediately with Thinner No.5. Clean tools immediately after use with Thinner No.5. Follow manufacturer's safety recommendations when using any solvent.				

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