

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

FORMERLY KNOWN AS ZINC CLAD M501

Revised 07/07/2017 Issue 2

PRODUCT INFORMATION

P RODUCT D ESCRIPTION			PRACTICAL APPLICATION RATES				
A 2-pack epoxy zinc rich anti-corrosive primer.			IVIICRONS PER COAT (MILS)				
Recommended Uses			_	Airless S	pray:		
Anti-corrosive protection of steel surfaces prepared by abrasive blast cleaning.			Dry: 60* (2.5) 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.				
	E NDORSEMENTS						
 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 			<u>@ 98 microns (4 mils) wet:</u> @ 5°C/41°F @ 15°C/59°F @ 23°C/74°F @ 35°C/95° To touche 05 mins 05 mins 00 mins 15 mins				
Broowurs	APPLICATION		To recoat	6 hours	5 hours	4 hours	3 hour
Airless Spray			For overcoating information, refer to Recommended Topcoats section Drying time is temperature, humidity, and film thickness dependent.				
Thinner / Clean Up:		hinnor No. 5	Pot Life:		10 hours	8 hours	4 hours
Clean Up: Clean				Applic	ATION EQUIP	MENT	
PRODUCT CHARACTERISTICS			The following is	s a guide. Cl	nanges in pres	sures 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				
Color:	Grey		existing environmental and application conditions.				
Volume Solids:	61 ± 3% (ASTM-D	2697-03)	Airloss Sprov:				
VOC: 311 gms/litre determined practically in accordance with UK Regulations PG6/23 379 gms/litre calculated from formulation to satisfy EC Solvent			Nozzle Size:				
Emissions Directive 159 gms/kilo content by weight from formulation, to satisfy EC Solvent Emissions Directive							
Mix Ratio:	4 parts base to 1 pa	rt additive by volume	operating pressure chosen. However, the operating pressure should be the lowest possible consistent with satisfactory atomisation.				
Recommended Thickness			conditions will vary from job to job, it is the applicators' responsibility				
		Minimum	best results.	the equiptine		been set up	to give the
Dry microns (mils)		60 (2.5)			PACKAGE		
Wet microns (mils)		98 (4)	Shelf Life		nonths from d	late of manu	facture or
Theoretical Covera	ge m²/L (sq ft/gal)	9.84 * (400)		'Use	By' date whe	ere specified	
* This figure makes no application, overspray Film thickness will vary	allowance for surface pr or losses in containers a depending on actual us	ofile, uneven nd equipment. e 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				
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				
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.				
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				
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.				
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°E 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	Sherwin-Williams can accept no liability for the performance of the product, or for any				
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.	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.				

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