

14-Nov-12

TRANSNET

**SPECIFICATION FOR TRANSNET MASTS**  
(ONSITE PAINTING) (10 year Guarantee)



ATT: Wilbert Rogotta

Product	W.F.T. um	Vol Sol	D.F.T um	TSR m <sup>2</sup> /lit	PSR m <sup>2</sup> /lit	Pack Size Liters	Coat	Colour	Thinner	Min Overcoat at 20deg	
Metalic Zinc Rich Primer	200	70%	140	5.0	4.0	5	100%	Grey	Epoxy	2 hours	(Touch Up)
Umeguard SX	167	60%	100	6.0	4.8	5	100%	Red	Epoxy	2 hours	(Full Coat)
Umeguard SX	167	60%	100	6.0	4.8	5	100%	Grey	Epoxy	2 hours	(Full Coat)
Uny Marine	98	51%	50	10.2	5.1	5	100%	Colour	Urethane	6 hours	(Full Coat)
<b>Total</b>			<b>250</b>	<b>um</b>							

**Notes:**

Degreas and HP wash all galvenised masts.  
Mechanically clean all corroded areas to ST 3.(white metal)  
Mechanically sand all old coatings to to remove loose flaking paint and to create a suitable surface for painting.  
Apply one Touch up to all corroded areas only, Metalic Zinc Rich Primer to a DFT of 140um and allow to cure.  
Apply one full coat Umeguard SX RedBrown to a DFT of 100um  
Apply one Full coat Umeguard SX Grey to a DFT of 100 um  
Apply one full coat Uny Marine to a DFT of 40 - 50um and allow to cure.

**Special Requirements.**

- All critical areas e.g. edges, weld seams etc. are to be given an extra stripe coat with one of the intermediate coats.
- All surface preparation and application shall be in accordance with the relevant product data bulletin, this specification of Dekro Paints.
- It is the resopibility of the applicator to ensure that he can achive the required DFT of any and all the required coats in a single operation. If multi-coats are required due to method of application or other, they shall be applied per the instructions of Dekro paints additional labour shall be for the sole account of the applicator.
- If the surface becomes contaminated between the the coats, the surface shall be washed thoroughly to remove all contamination prior to application of further coats.
- The applicator is responsible to have an operational and auditable Quality Control and Assurance program in place.
- The applicator shall have full time and identifiable supervision on site at all times.
- Only specified thinners and reducers as identified in the appropriate product data sheet shall be used.
- A copy of this specification shall be on site and available at all times.

**TECHNICAL DATA SHEET**

**METALLIC ZINC RICH PRIMER**

**Product Code:** 810012

**METALLIC ZINC RICH PRIMER** is a general purpose zinc primer for the temporary protection of suitably prepared steel structures. Metallic Zinc Rich Primer is a fast drying coating that protects steel and ferrous metals exposed to severe corrosive environments. This high performance Vinyl-chloride compound fuses zinc to the metal substrate and provides galvanic protection against corrosion equal to Hot Dip Galvanizing.

**TECHNICAL DATA**

Type	Vinyl-chloride vinyl-ether based resin rich zinc primer.	
Recommended Use	On Steel Structures and Welding repair areas.	
Colour	Grey	
Flash Point	38°C	
Solids by volume	70% ± 2%	
VOC	425 g/l	
Coverage (Theoretical)	0,200 – 0,400 L/m <sup>2</sup>	5.0 – 2.5 m <sup>2</sup> /L
Coverage (Practical)	0,286 – 0,555 L/m <sup>2</sup>	3.5 – 1.8 m <sup>2</sup> /L
Wet film thickness	200 - 400µm	
Dry film thickness	140 - 280µm	
Drying time	Temperature	23°C
(at D.F.T. 140µm)	Surfaces dry	20 minutes
	Hard dry	2 hours
Painting interval	Minimum	2 hours
(at D.F.T. 140µm)	Maximum	-
Thinner	CR/Acric Thinners	
Method of Application	Brush or Spray	
Conditions of application	Temperature	23°C
	Humidity	50 – 60%
	For Airless spray:	Yes
	Tip No.	GRACO 619, 719
	Paint output pressure	150 – 180 kg/cm <sup>2</sup>
	Viscosity	80 - 85
	Thinning	5 – 10%
Preferable subsequent coats	Acri 700 Finish, Evamarine Finish	
Packaging	One Pack Component	
Pack Sizes	500 ml and 1 litre	

**Application Instruction:**

- Ensure that the substrate is clean, dry and free from any oil, grease and other surface-contaminants.
- Steel may be cleaned by means of steam cleaning or wiping with Lacquer Thinners.
- Apply 1 coat of Metallic Zinc Rich Primer by means of brush or spray equipment and allow minimum 2 hours to dry.
- Apply the second or top coat within 48 hours of priming.

The technical data furnished is given to the best of our knowledge based on controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven product fault our liability will be limited to the replacement of the product only. It is the users' responsibility to confirm the currency of product data sheets.

**FOR FURTHER INFORMATION PLEASE CONTACT: (TOLL FREE) 0800 222 423**

Website: [www.dekro.co.za](http://www.dekro.co.za)

e-mail: [heavyduty@dekro.co.za](mailto:heavyduty@dekro.co.za)

**TECHNICAL DATA SHEET**

**UMEGUARD SX**

Product Code: 388001 – Base  
Product Code: 388099 - Catalyst

**UMEGUARD SX**, is a modified surface tolerant epoxy paint. It gives excellent physical properties such as adhesion, toughness and abrasion resistance, etc., and chemical resistance to water, salt water and crude oil. It has good adhesion to a wide range of existing coatings and is suitable for application to corroded areas where optimum pre-treatment is not practical.

**TECHNICAL DATA**

Type	Modified epoxy paint.			
Recommended Use	Cargo hold, inside and outside accommodation space, void spaces, engine room, pipelines, other steel structures etc.			
Mixing Ratio	Base: Hardener = 85 : 15 (by volume)			
Colour	Grey, Black, White, Red Brown, Green.			
Flash Point	Base : 24°C ; Hardener : 19°C			
Solids by volume	58 +/- 2%			
VOC	435 g/l			
Coverage (Theoretical)	0,172 – 0,431 L/m <sup>2</sup>	5.8 – 2.3 m <sup>2</sup> /L		
Coverage (Practical)	0,244 – 0,625 L/m <sup>2</sup>	4.1 – 1.6 m <sup>2</sup> /L		
Wet film thickness	6,8 – 17,0 mils	; 172 – 431 microns		
Dry film thickness	4,0 – 10,0 mils	; 100 – 250 microns		
Drying Time	Temperature	5°C	10°C	20°C
(@ D.F.T. 250µm).	Surface dry	2 hrs	1,5 hrs	1 hr.
	Hard dry	38 hrs	20 hrs	14 hrs
	Minimum	38 hrs	20 hrs	14 hrs
	Maximum	-	-	-
		24 hrs	14 hrs	8 hrs
		24 hrs	14 hrs	8 hrs
Painting Interval	Epoxy Thinners			
(@ D.F.T. 250µm)	Airless Spray, Brush, Roller.			
Pot life	Temperature :	Minimum 5°C		
Thinner	Humidity :	Maximum 85% R.H.		
Method of Application	For Airless Spray;	Graco 623		
Conditions of Application	Tip No.	150 – 180 kg/cm <sup>2</sup>		
	Paint Output pressure	1,5 – 1,9 Pa.s		
	Viscosity	0 – 5% by volume		
	Thinning	NZ Primer, Epicon Zinc Rich Primer B-2.		
Preferable preceding coats	Epicon Marine Finish HB, Uny Marine, and Acri 700 Finish			
Preferable subsequent coats	Two pack product.			
Packing				

**Note:** Ventilation is required during application and curing to remove solvent vapour if the product is applied in confined spaces.

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**TECHNICAL DATA SHEET**

**UNY MARINE**

Product Code: 457001 - Base  
Catalyst Code: 457099 - Catalyst

**UNY MARINE** is a twin pack polyurethane which has excellent gloss retention, durability and chemical resistance, etc. It is a finishing coat suitable for protection of steel.

**TECHNICAL DATA**

Type	Polyurethane finishing paint.	
Recommended Use	Glossy finish coat for superstructure, deck, topsides and other steel structures	
Mixing Ratio	Base: Hardener = 4 : 1 (by volume).	
Colour	White, as specified.	
Specific Gravity	1.22	
Flash Point	Base: 18.0°C; Hardener : 29.5°C	
Solids by volume	51%	
VOC	466 g/l	
Coverage (Theoretical)	0,059 – 0,079 l/m <sup>2</sup>	16.9 – 12.6 m <sup>2</sup> /L
Coverage (Practical)	0,085 – 0,114 L/m <sup>2</sup>	11.8 – 8.8 m <sup>2</sup> /L
Wet film thickness	2,4 – 3,2 mils	; 59 – 79 microns
Dry film thickness	1,2 – 1,6 mils	; 30 – 40 microns
Drying Time (@ D.F.T. 40µm).	Temperature	5 °C 10 °C 20 °C 30 °C
	Surface Dry	2 hrs 1,5 hrs 1 hr 30 min
	Hard Dry	20 hrs 16 hrs 10 hrs 7 hrs
	Minimum	8 hrs 6 hrs 4 hrs 2 hrs
	Maximum *	- - - -
Painting interval (@ D.F.T. 40µm)	24 hrs	20 hrs 16 hrs 8 hrs
Pot life	-	
Thinner	Urethane Thinners	
Method of Application	Airless Spray, Brush	
Condition of Application	Temperature :	Minimum 0 °C
	Humidity :	Maximum 80% R.H.
	For Airless Spray;	
	Tip No	GRACO 515, 615, 715, 813.
	Paint output pressure	120 – 150 kg/cm <sup>2</sup>
	Viscosity	25 – 35 sec (Ford Cup No.4).
	Thinning	5 – 15% by volume.
Preferable Preceding Coats	Epicon F-HB, Umeguard SX, Uny Marine	
Preferable Subsequent Coats	Uny Marine	
Packing	Two pack product.	

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