

ZINC RICH EPOXY PRIMER REP-111

PRODUCT DESCRIPTION

REP-111 is a two component polyamide cured zinc rich epoxy coating. It is a very high zinc dust containing product. It conforms to the compositional requirements of SSPC paint 20, level 1. It provides very good corrosion protection as part of a complete coating system. To be used as primer in atmospheric environments. Suitable for carbon steel, repair of inorganic zinc silicate coating and damaged galvanised steel substrates.

Standard color availability Manufactured only in metal gray color.

GENERAL PROPERTIES					
Adhesion	Excellent to both grit blast	ed and manually prepared surfaces.			
Corrosion Resistance	Excellent on correctly prep	pared surfaces.			
Zinc content in dry film	Min. 85%				
Salt spray ASTM B117	1500 hours in single layer				
PHYSICAL PROPERTIES					
Colors/Shade No	Grey				
Finish	Flat-matt				
Volume Solid	65±3 %				
Theoretical spreading rate	13 m ² /liter at 50 Mic. Dft.				
Flash point	27 °C				
Specific gravity	2.8±0.05 kg/liter				
V.O.C.	Max. 350 gr/liter				
Shelf life	1 Years (25°C) from time of pro mechanical stirring may be nec	1 Years (25°C) from time of production. Depending on storage condition, mechanical stirring may be necessary before usage. Storage environment should			
	be ventilated and away from su	inlight and high temperature (above 30 ° C)			
MIXING					
Mixing ratio (by weight)	Component A: 10	Component B: 1			
Pot life	6 hours (23 °C)				
APPLICATION					
Conditions	Do not apply when relative hun	nidity exceeds 80% or when the surface to be			
	coated is less than 3 °C above t	he dew point.			
Method	Airless sprays	Brush (touch-up)			
Thinner (max. vol.)	RTH-104 (10%)	RTH-104(5%)			
Pump ratio minimum	30:1				
Tip size	0.015"-0.021"				
Tip pressure	110-150 bar				
Cleaning of tools	RTH-104				
Indicated film thickness, dry	50-80 microns				
Indicated film thickness, wet	80-120 microns				
DRYING AND CURING TIME	S				
Condition	Drving times are generally relat	ed to air circulation, temperature, film thickness			
	and number of coats, and will h	and number of coats, and will be affected correspondingly. The figures given in the			
	table are typical with:				
	* Good ventilation (Outdoor ex	posure or free circulation of air)			
	* Typical film thickness	· · ·			
	* One coat on top of inert subs	trate			
Surface temperature	23 °C				
Dry to touch	1 hour				
- Hard drv	3 hours				
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Full curing	7 days
Recoat interval, min	8 hours
Recoat interval, max	see REMARKS

APPLICATION AND CURING C Surface preparation	Steel surface should ideally must be completely clean a above the dew point to adhesion, corrosion protec with recommended surface	CONDITION Steel surface should ideally be abrasive blast cleaning to minimum Sa 2½. The surface must be completely clean and dry prior to application. And its temperature must be above the dew point to avoid condensation. Optimum performance, including adhesion, corrosion protection, heat resistance and chemical resistance is achieved with recommended surface preparation.						
	Culture	Surface preparation						
	Substrate	Minimum		Recommended				
	Carbon steel	Carbon steel St 3 (ISO 8501-1)		Sa 2½ (ISO 8501-1)				
Subsequent Coat	Epoxy intermediate and Epo	oxy Top Coat.						
Film thickness	May be specified in another	May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and recoating intervals. Normal range is 50-80 microns.						
	area of use. This will alter s intervals. Normal range is 5	preading rate and r 0-80 microns.	nay influence dr	rying time and	recoating			
Thinning	area of use. This will alter sp intervals. Normal range is 5 The type and amount of thi method, temperature, vent general.	preading rate and r i0-80 microns. inner depend on ap tilation, and substra	nay influence dr plication condit te. RTH-104 is r	rying time and ions, applicatio recommended	recoating on in			
Thinning Recoating and drying/curing time	area of use. This will alter sp intervals. Normal range is 5 The type and amount of thi method, temperature, vent general.	preading rate and r i0-80 microns. inner depend on ap tilation, and substra	nay influence di plication condit te. RTH-104 is r	rying time and ions, applicatio recommended	recoating on in			
Thinning Recoating and drying/curing time	area of use. This will alter sp intervals. Normal range is 5 The type and amount of thi method, temperature, vent general. Physical data versus temper	preading rate and r i0-80 microns. inner depend on ap tilation, and substra ratures	nay influence di plication condit te. RTH-104 is r	rying time and ions, applicati ecommended	necoating on in			
Thinning Recoating and drying/curing time	area of use. This will alter sp intervals. Normal range is 5 The type and amount of thi method, temperature, vent general. Physical data versus temper Surface temperature	preading rate and r i0-80 microns. inner depend on ap tilation, and substra ratures	nay influence di plication condit te. RTH-104 is r 	rying time and ions, applicatio recommended	recoating on in 30°C			
Thinning Recoating and drying/curing time	area of use. This will alter sp intervals. Normal range is 5 The type and amount of thi method, temperature, vent general. Physical data versus temper Surface temperature Dry to touch approx.	preading rate and r i0-80 microns. inner depend on ap tilation, and substra ratures 5°C 4 hours	nay influence dr plication condit te. RTH-104 is r 10°C 2 hours	rying time and ions, application recommended 23°C 1 hours	recoating on in 30°C 40 min.			
Thinning Recoating and drying/curing time	area of use. This will alter sp intervals. Normal range is 5 The type and amount of thi method, temperature, vent general. Physical data versus temper Surface temperature Dry to touch approx. Resist condensing humidity, light showers after	preading rate and r i0-80 microns. inner depend on ap tilation, and substra ratures 5°C 4 hours 1/ 4 days	nay influence dr plication condit te. RTH-104 is r 10°C 2 hours 2 days	ying time and ions, application recommended 23°C 1 hours 48 hours	30°C 40 min. 24 hours			
Thinning Recoating and drying/curing time	area of use. This will alter sp intervals. Normal range is 5 The type and amount of thi method, temperature, vent general. Physical data versus temper Surface temperature Dry to touch approx. Resist condensing humidity, light showers after Fully cured	preading rate and r i0-80 microns. inner depend on ap tilation, and substra ratures 5°C 4 hours 1/ 4 days 20 days	10°C 2 hours 2 days 14 days	ying time and ions, application ecommended 23°C 1 hours 48 hours 7 days	30°C 40 min. 24 hours 5 days			
Thinning Recoating and drying/curing time	area of use. This will alter sp intervals. Normal range is 5 The type and amount of thi method, temperature, vent general. Physical data versus temper Surface temperature Dry to touch approx. Resist condensing humidity, light showers after Fully cured Recoating interval with	preading rate and r i0-80 microns. inner depend on ap tilation, and substra ratures 5°C 4 hours r/ 4 days 20 days Min 16 hour	10°C 2 hours 2 days 14 days 12 hours	ying time and ions, application recommended 23°C 1 hours 48 hours 7 days 8 hours	30°C 40 min. 24 hours 5 days 3 hours			

long recoating intervals. Any dirt, oil, and grease have to be removed, e.g. with suitable detergent.

(ii) Salts to be removed by fresh water hosing. To check an adequate quality of the surface cleaning a test patch is recommended before actual recoating.

SAFETY

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult RSI material safety data sheets and follow all local and national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance. Avoid inhalations of possible solvent vapors or paint mist, as well as paint contact with skin and eyes. Apply only on well-ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.

RSI Co.

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