Product data sheet

REVONZINC RV 912

Inorganic Zinc-Rich Silicate

PRODUCT DESCRIPTION

Two components moisture curing zinc rich ethyl silicate primer

RECOMMENDED USE

As a primer with recommended topcoat to provide excellent protection to steel substrates, for use with a wide range of high performance systems in offshore and onshore environments including structural steelwork, chemical exposure, tank exterior, piping and marine exposure above the saltwater splash zone.

CHARACTERISTICS

- Fast drying Properties permit quick handling and fast topcoating.
- Tolerate surface temperature up to 400^{0}C.
- Suitable for general industrial priming in corrosive atmospheric pressure.
- Not recommended for immersion service in acid or alkaline solution.
- Good abrasion resistance and minimum burn-back during welding.

PHYSICAL DATA

Colour	Grey
Gloss Level	Flat
Volume Solid	Approx. 62%
Dry Film Thickness	65 microns per coat
Number of Coat	1
Theoretical Coverage	9.60 sq.m/ℓ for 65 microns
Temperature Resistance	400^{0}C
VOC	464 g/ℓ
Flash Point	Liquid : 15^{0}C Powder : 65^{0}C
Shelf Life	Liquid at least 9 months Powder at least 12 months
Pack Size	
5 litre units	Liquid : 4.15 litres in 5 ℓ plastic jerrygen Powder : 0.85 litres in 2.5 ℓ can, approx. 6.0 kgs

SURFACE PREPARATION

Dry abrasive blast in accordance with ISO – Sa 2.5 or SSPC – SP 10 “Near White”. Blast to achieve a 25 – 50 microns anchor profile as indicate with a Keane Tutor Surface Profile Comparator.
Remove abrasive residue or dust from surface.

APPLICATION DATA

Application Methods

Airless Spray

Nozzle Tip	0.46 - 0.58 mm (0.018 – 0.023 inch)
Nozzle Pressure	10 MPa (approx. 1400 psi)

Conventional Spray

Nozzle Tip	1.8 – 2.0 mm (0.071 – 0.079 inch)
Nozzle Pressure	0.3 MPa (approx. 43 psi)

Use pressure pot and agitator

Mixing Ratio By Volume Liquid : Powder = 4.15 ℓ : 6.0 kgs

Add the powder gradually to the container with base, using a mechanical mixer. Continue stirring until powder is well dispersed.
Strain through a 30 – 60 mesh screen. Thin only for work ability, do not use more than 10%. Continue slow stirring during application to maintain uniformity of mixed product.
Do not keep mixed product, which will not be used before the end of the pot life in tightly closed containers as gassing can create enough pressure to cause containers to burst. Cover containers loosely.

Thinner	REVONER 119
Surface Temperature	Should be 10^{0}C – 50^{0}C, at least 3^{0}C above the dew point to prevent condensation

Product data sheet

Drying Time

Touch Dry	10 minutes at 25^0C, 5 minutes at 32^0C
Through Dry	20 minutes at 25^0C, 10 minutes at 32^0C
To Topcoat	4 hours at 25^0C, 2.5 hours at 32^0C
Pot Life	24 hours at 25^0C, 12 hours at 32^0C

Limitation

Normal recommended dry film thickness 65 microns, allowable thickness range is 50 – 150 microns, assuming the surface profile is within the recommended range. Greater thickness may occur mud cracking.

Zinc rich primers can form zinc salts on the surfaces, before over coating visible surface contamination must be removed by high pressure water cleaning, sweep blasting or mechanical cleaning.

SAFETY PRECAUTION

RV-912; *REVONZINC-FT Liquid*

Flammable, keep away from heat, sparks and Open flame. Liquid irritating to eyes and may cause skin irritation. Avoid breathing of vapour or spray mist.

RV-912; *REVONZINC-FT Powder*

Will support combustion. Contains zinc dust, dust can be harmful. Mixtures have hazardous of both components. Use only with adequate ventilation during mixing, application and drying. Do not leave mixed product in sealed container beyond the expected pot life as gassing may cause container to burst.

DISCLAIMER

The information in this product data sheet is given to the best of our knowledge based on laboratory testing and practical experience. If the product is used under condition beyond our control, we cannot guarantee anything but the quality of the products it self. The information in this product data sheet is liable for modification from time to time in the light of experience and our policy of continuous product development, and without further notice.