

POLYPRIME ZC

Two component zinc rich epoxy primer

POLYPRIME ZC is a two component zinc rich epoxy primer with high zinc content. The cured coating can withstand of moderate to severe corrosive environment. POLYPRIME ZC will provide cathodic protection to underlying steel structures, pipes etc.

TDS_Polyprime ZC_GCC_1016

CHARACTERISTICS

- ▶ Easy to use (roller / brush / spray)
- ▶ Good adhesion with non-porous substrates
- ▶ Excellent corrosion protection
- ▶ Suitable for new or old steel works

FIELDS OF APPLICATION

- ▶ Use as a primer on steel pipes for epoxy, polyurethane and acrylic system
- ▶ Use as a primer on steel structures for epoxy, polyurethane and acrylic system
- ▶ Use as a primer on metal sheets for epoxy, polyurethane and acrylic system

APPLICATION INSTRUCTIONS

Surface Preparation

Remove all surface impurities like oil, grease, salts, soil etc with suitable detergent and fresh water jet. Surface defects like weld spatter, sharp edges etc. need to be rectified before abrasive blasting.

Abrasive blasting to Sa 2 ½ (ISO 8501-1 :1988) with a sharp edged surface profile corresponding to Keane-Tator Comparator 3.0 (G/S) or ISO comparator Medium (G).

Mixing & Application

Pour the entire contents of Part A and Part B in a mixing pail and mix using a mechanical stirrer until get a homogeneous mix of approx. 2-3 minutes.

Apply the mixed materials by brush or roller on the properly cleaned substrates and allow it to dry. Depending upon the surface condition one or more coats are recommended.

Application method and thinning

Application Method	Thinning by volume*	Nozzle Orifice	Nozzle Pressure
Airless Spray	5%	0.021-0.031	2100-2200psi
Air Spray	15%	1.5-1.8 mm	40-90Si
Brush/ Roller	5%	NA	NA

*Depends on the site condition

** Spray data are indicative and are subject to adjustment as per site condition.

Curing

POLYPRIME ZC should be allowed to cure for at least 12 hours before next coat. At temperatures below 12°C, the above times should be extended.

Application Temperature

It is better to apply the Polyprime ZC above 10 Deg C. Apply only on a dry and clean surface with a temperature above dew point to avoid condensation.

CLEANING

Clean all tools with POLYSOLVENT immediately after use.

STORAGE & SHELF LIFE

Store in a cool, dry place and keep away from all sources of heat and sunlight. In tropical climates, store in air condition rooms. The shelf life is upto 6 months in un-opened condition and if stored as per recommendations. Excessive exposure to sunlight, humidity and UV will result in the deterioration of the quality of the product and reduce its shelf life.

HEALTH & SAFETY

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

SUPPLY

POLPRIME ZC	10 Lt Kit
POLYSOLVENT	5 lt & 20 lt pails

TECHNICAL SPECIFICATIONS

PROPERTIES	VALUES
Colour	Grey
Finish	Matt
Volume Solids, [%]	45-50
Theoretical spreading rate, [m ²]	8-10 @ 40 micron thickness
Flash Point, [°C]	35
Sp.Gravity (mixed), [g/cc]	1.98
Surface Dry, [mins]	30
Re-coating, [hrs]	12
Fully cure, [days]	7
Pot life, [hrs]	9-10 @ 23°C
Mixing Raio	Part A : 5.7 L Part B : 4.3 L

All Values given are subject to 5-10% tolerance

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.



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