

SPECIFICATIONS		METHODS		
		NOM or NMX	ASTM	ISO
Number of components	2	--	--	--
Ratio (Mixture)	4:1 en volumen	--	--	--
Part A: Part B	75910-RO:75090-C	--	--	--
Thinner	MT-571/MT-800	--	--	--
Theoretical Yield (at 1 mil)	23 m ² /L mínimo	--	--	--
Appearance	Mate	--	--	--
Adherence	5A	NMX-U-065-SCFI-2011	D-3359	--
Recommended DFT per coat	3 mil – 4 mil	--	D-7091	2178
Recommended WFT per coat	5 mil – 7 mil	--	D-4414	2366/2808
Density (Mixture) @77°F (25°C)	3.100 g/cm ³ mínimo	NMX-C-454-ONNCCE-2007	D-1475	2811-1
Viscosity (Mixture) (Brookfield) @77°F (25°C)	1500 Cps – 2500 Cps	NMX-U-038-SCFI-2012	D-2196	--
Touch dry time @77°F (25°C)	0.5 h máximo	NMX-C-427-ONNCCE-2003	D-1640	9117-1
Drying time for repainting @77°F (25°C)	1 h mínimo	NMX-C-427-ONNCCE-2003	D-1640	9117-1
Hard drying time @77°F (25°C)	24 h máximo	NMX-C-427-ONNCCE-2003	D-1640	9117-1
Solids (Mixture) in weight	88% mínimo	NMX-C-425-ONNCCE-2003	D-2369	3251
Solids (Mixture) in volume	59% mínimo	NMX-C-425-ONNCCE-2003	D-2697	3233
Pot life @77°F (25°C)	12 h	--	--	--

Characteristics

GALVANOX II is a coating made from epoxy resins and polyamid; which provides cathodic protection to steel in a similar way to hot-dip galvanizing leaving 92% zinc on the substrate in the dry film. In addition to providing protection for a long time in areas contaminated with chemical products due to its permanent neutralizing action.

The GALVANOX II coating alone is highly resistant to solvents, oil, alcohol, and jet gas. This zinc/organic system give a degree of protection that is not obtainable with conventional paint systems. If the topcoat coating is damaged the high zinc content protects the steel. In conventional systems, pinpoints failures are harmful causing to appear at the base of the steel which forms rust blisters and damages the coating.

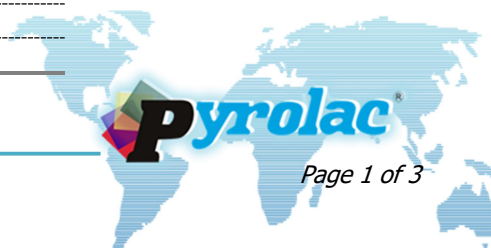
In contrast to zinc corrosion when zinc is attacked on steel a light powder is observed that does not damage the surface of the film at all. These areas can be touched up with regular maintenance. Once the mixture is done an induction time of between 30 minutes to 1 hour should be given.

Usage

This primer is recommended to be applied to all types of structural steel, transformers, tanks and chemical containers, port facilities, pipes and supports, platforms and railings, hoppers mills and wineries, floating tank tops, cooling towers, equipment and facilities that are exposed to salinity.

Systems

System	Description
1	GALVANOX II + SUBALOX U
2	GALVANOX II + SUBALOX U AS
3	GALVANOX II + SUBALOX U SR
4	GALVANOX II + SUBALOX V AS
5	GALVANOX II + SUBALOX E
6	GALVANOX II + SUBALOX E AS
7	GALVANOX II + SUBALOX E AP
8	GALVANOX II + SUBALOX U HS





Surface Preparation

The surface on which it is going to be applied requires as a minimum sandblasting or sandblasting. Preferably white metal since GALVANOX II must be in intimate contact with the metal to provide the required cathodic protection. Any material such as old paint or rust can isolate the coating from the steel base preventing adequate galvanic action.

Application

For spray application, it should be carried out at a distance of 12 in (30 cm) from the substrate to obtain the specified thickness. The application should be done in open and ventilated places. The coating should not be applied when the ambient temperature is below 50°F (10°C) or superior to 104°F (40°C). Apply at a relative humidity less than 85% or when the substrate temperature is greater than 37.4°F (3°C) above the dew temperature.

Repair according to ASTM A780 "Standard Practice for the Repair of Areas damaged and not covered with hot-dip galvanized coatings"

1. Surfaces to be reconditioned with paints containing zinc dust must be clean, dry and free of oil, grease, pre-existing paint and corrosion by-products. A recommended cleanliness type SSPC-SP10 near white metal. For field exposure conditions less critical, clean the surface to bare metal, in accordance with SSPC-SP11, as a minimum. Where the circumstances do not allow cleaning with electric or explosive tools, it is permissible to clean handcrafted areas in accordance with SSPC-SP2. To ensure that a coating can be obtained smooth refinished, the surface preparation will spread on the galvanized coating without damage. The method and extent of surface preparation shall be mutually agreed upon by the contracting parts.
2. If the area to be refurbished includes welds, first remove all traces of flux and solder splatter (of a size that cannot be removed with a brush). Wire or blast cleaning) by mechanical means, such as grinding or power brushing, etc.
3. Apply by spray or brush to prepared area in one application, multiple passes until achieving a dry film thickness agreed between the contracting parties. Allow time for proper curing before subjecting repaired items to service conditions
4. Take thickness measurements with a magnetic, electromagnetic, or eddy current gauge to ensure coating applied is as specified per SSPC-PA2.

Colors

Grey.

Chemical Resistance			METHODS
Chemical Agent	Fumes and Vapors	Spills and Splashes	
Acids	Good	Regular	ASTM G-20
Alkalis	Excellent	Excellent	ASTM G-20
Solvents	Excellent	Good	ASTM G-20
Salts	Excellent	Excellent	ASTM G-20
Water	Excellent	Excellent	ASTM G-20





Application Equipment

Airless Aspersión ⁽¹⁾	
Pressure	2400 PSI - 3000 PSI
Hose	3/8" ID
Nozzle	0.021" – 0.026"
Filter	60 mesh
Conventional Equipment Aspersión ⁽²⁾	
Spray Gun	Binks 95
Nozzle	0.018" – 0.020"
Atomizing Pressure	50 PSI - 60 PSI
Fluid Pressure	20 PSI - 30 PS
Application with Brush	
Nylon/polyester bristles or natural bristles	
Application with Roller	
1/4" x 9" synthetic fiber fleece	

* To clean up the application equipment, use the dilution solvent MT-571 or MT-800.

Dilution Ratio Based on Equipment

Equipment	Solvent
Airless Aspersión.	Not used. If necessary, use maximum of 10% thinner MT-571 or MT-800.
Conventional Aspersión.	Use from 20-30% thinner of MT-571 or MT-800.
Brush or Roller.	Use a maximum of 10% of MT-571 or MT-800.

* To calculate the materials, consider shrinkage of 10-20%, depending on surface condition and form of application.

Storage Conditions

Closed lid containers, under roof and a temperature under 104°F (40°C) under 80% relative humidity.

Handling Safety

This product contains highly flammable solvents, its vapors are toxic, avoid contact with skin, eyes (splashes) and continuous inhalation. Its application should be in well-ventilated places away from fire. When applying consult and follow the safety regulations indicated in the product safety sheet.

Remarks

We guarantee the quality of our products according to the general sales and application guidelines, our technical use method advice, verbally expressed and written and scenarios. Where conducted as part of our research, therefore we suggest you conduct your own lab and field test. The application and the terms on how you use our products are out of the reach of our control; therefore, you are responsible for any results. For more information call our technical advisers in Mexico +52 55 5650 5089, +52 55 5650 5238 and +52 55 5657 2784.

