

SPECIFICATIONS	TESTING METHODS		
	NOM or NMX	ASTM	ISO
Number of Components	2	--	--
Mix Ratio	3:1 in volume	--	--
Thinner (optional)	MT-586	--	--
Theoretical Yield (at 1 mils)	26.70 m ² /L minimum	--	--
Topcoat	Matte	--	--
Adherence	N/A	NMX-U-065-SCFI-2011	D-3359
No. of Layers	1	--	--
Recommended Dry Thickness Per Coat	2.5 mils – 3.0 mils	--	--
Recommended Wet Thickness Per Coat	N/A	--	D-4414
Saline Chamber	2000 hours minimum	--	B-117
Density at 25°C (77°F)	2.5 g/cm ³ – 2.8 g/cm ³	NMX-C-454-ONNCCE-2007	D-1475
Viscosity (Brookfield) at 25°C (77°F)	35 seconds – 50 seconds	NMX-U-038-SCFI-2012	D-2196
Accelerated Weathering	2000 hours minimum	--	G-23
COV's, (VOC's)	407 g/L	NOM-123-ECOL-1998	D-3960
Fineness or Fineness (Hegman Unit)	1 Hours – 3 Hours	NMX-C-456-ONNCCE-2007	D-1210
Time to dry to touch at 25°C (77°F)	0.5 hours maximum	NMX-C-427-ONNCCE-2003	D-1640
Time to dry to hard at 25°C (77°F)	2.0 hours maximum	NMX-C-427-ONNCCE-2003	D-1640
Curing time at 95°C (203°F)	48.0 hours	NMX-C-427-ONNCCE-2003	D-1640
Temperature Resistance	400 °C (752°F)	--	--
Solids by weight of the mixture	78.0 % minimum	NMX-C-425-ONNCCE-2003	D-2369
Solids in volumen of the mixture	66.0% - 70.0%*	NMX-C-425-ONNCCE-2003	D-2697
Pot Life	8.0 hours	--	--

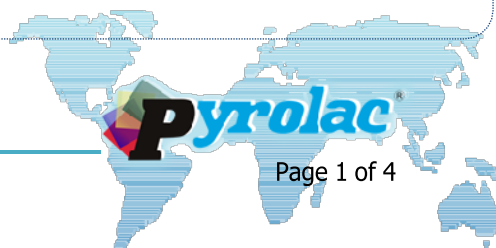
* Wet/dry thickness method.

Characteristics

It consists of a zinc fine powder pigment and a partially hydrolyzed organic silicate carrier packaged separately. It is hard and resistance to abrasion with excellent resistance to most solvents, humid, saline and marine environments with the exception of chlorinated hydrocarbons in the presence of moisture. The life of this coating is considered to be less than the post cure life. However, it is recommended for installations exposed to high percentage of humidity, splashes and sea breezes when applied. Dries quickly above 0°C and between 88% and 99% relative humidity. At moderate temperature it is insoluble in water after 20 minutes of application.

Uses

It is used as the primary of a system depending on the environmental conditions. If used alone it is not recommended for immersion in aqueous solutions without complementary cathodic protection. To avoid gelation at the time of mixing the components should not be exposed to the sun or any other source of heat.





Systems

System	Description
1	GALVANOX X + SUBALOX EAP + SUBALOX U
2	GALVANOX X + SUBALOX U
3	GALVANOX X + SUBALOX E AP + SUBALOX E
4	GALVANOX X + SUBALOX U AS

Surface Preparation

The substrate on which it is going to be applied requires a good cleaning of the surface which must be free of contaminants such as oils, grease, dust, abrasives, detergents. This coating is recommended for application on metal surfaces of iron or steel abrasive cleaning to White Metal (SSPC-SP 5).

Application

For spraying application should be done at 30 cm distance from substrate to obtain specified film thickness. The application should be done in open and ventilated spaces. The coating should not be apply when the environment temperature is inferior to 277 K (4°C) (39.2°F) or superior to 316 K (43°C) (109.4°F). Apply at high relative humidities for longer cure.

Colors

Grey and Reddish Grey.



Repair according to ASTM “Standard Practice for the Repair of Damaged and Uncoated Areas of 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. SSPC-SP10 close to white metal cleaning is recommended. For less critical field exposure conditions clean the surface to bare metal per SSPC-SP11 as a minimum. Where circumstances do not permit cleaning with power or explosive tools hand cleaning of areas per SSPC-SP2 is permitted. To ensure that a smooth refinished coating can be obtained the surface preparation will be spread on the galvanized coating without damage. The method and extent of surface preparation shall be mutually agreed between the contracting parties.
2. If the area to be refurbished includes welds; first remove all flux and weld splatter residue (of a size that cannot be removed by wire brushing or blast cleaning) by mechanical means such as emery or electric card, etc.
3. Apply by spray or brush to the prepared area in a single application giving multiple passes to a dry film thickness agreed upon by the contracting parties. Allow adequate curing time 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.

Application Equipment

Airless Spray ⁽¹⁾	
Gun	Bomb
De VilBiss model JGA-507	Qfa 514 32:1

⁽¹⁾ Use a nozzle with a 13 to 17 mil inside diameter orifice (I.D.)

Sprinkling With Conventional Equipment ⁽²⁾		
Gun	Nozzle	Tip
De VilBiss model JGA-510	EX	704

⁽²⁾ Use 3/8-inch inner diameter hose (I.D.)

* For the cleaning of the used application equipment, use the dilution solvent MT-586.



Mix Ratio According to Equipment Used

Equipment	Solvent
Airless spray	Not applicable. If the surface temperature is between 40°C to 50°C, dilute a maximum of 10%.
Conventional Spraying Equipment	Not applicable. If the surface temperature is between 40°C to 50°C, dilute a maximum of 10%.
Brush or Roller Application	Not applicable.

- For the calculation of materials consider 10-20% shrinkage depending on the state of the surface and the application conditions.

Storage Conditions

Closed lid containers, under roof and a temperature no more than 40°C (104°F) and no more than 80% relative humidity.

Driving Safety

This product contains highly flammable materials, its vapors are toxic, avoid skin contact, eyes (splashes) or continuous inhalation, use in well ventilated areas, away from fires. When use consult and follow safety rules indicated in the safety data sheet for this product.

Observations

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