

SPECIFICATIONS	TESTING METHOD		
	NOM or NMX	ASTM	ISO
Number of components	1	--	--
Thinner	MT-580	--	--
Theoretical yield (at 1 mils.)	20m ² /L minimum	--	--
Topcoat	Matte	--	--
Adherence	4B minimum	NMX-U-065-SCFI-2011	D-3359
Recommended Dry Thickness Per Coat	3 mils – 4 mils	--	D-7091
Recommended Wet Thickness Per Coat	6 mils – 8 mils	--	D-4414
Saline Chamber	1500 hours minimum	--	B-117
Density at 25°C (77°F)	2.500g/cm ³ minimum	NMX-C-454-ONNCCE-2007	D-1475
Viscosity at 25°C (77°F)	3800cps minimum	NMX-U-038-SCFI-2012	D-2196
Fineness	3 Hours maximum	NMX-C-456-ONNCCE-2007	D-1210
Temperature Resistance	Continue	93°C (199.4°F)	--
	Do Not	120°C (248°F)	--
	Continue		--
Time to dry to touch at 25°C (77°F)	0.7 hours maximum	NMX-C-427-ONNCCE-2003	D-1640
Time to dry to hard at 25°C (77°F)	1 hour maximum	NMX-C-427-ONNCCE-2003	D-1640
Solids in weight	85.00% minimum	NMX-C-425-ONNCCE-2003	D-2369
Solids is volume	51.00% minimum	NMX-C-425-ONNCCE-2003	D-2697

Characteristics

GALVANOX III is a one-component zinc-rich organic primer that offers excellent corrosion resistance due to the galvanic protection. It has on the substrate by leaving 92% zinc in a dry film.

GALVANOX III contains zinc of the highest purity 98% and must be in intimate contact with the steel base and therefore the surface preparation must be good this can be sandblasting or sand blasting. Any rust, old paint and other contaminants can isolate the coating from the steel base preventing adequate galvanic action.

Uses

This coating is highly recommended for all types of structural steel, chemical tanks, containers, transmission towers, port facilities, tubes, supports, platforms, trellises, transformers, mil hoppers, warehouses, floating tank tops, towers of cooling, equipment and facilities that are exposed to salinity. GALVANOX III dries by evaporation of solvents. Its curing is less critical when it is subject to variations in temperature and humidity.





Systems

Systems	Description
1	GALVANOX III + SUBALOX E
2	GALVANOX III + SUBALOX E AS
3	GALVANOX III + SUBALOX U
4	GALVANOX III + SUBALOX U AS
5	GALVANOX III + SUBALOX V AS
6	GALVANOX III + SUBALOX PC-1090-Z

Surface Preparation

The surface on which it is to be applied requires at a minimum sanblasting preferably white metal. Since the GALVANOX III must be in intimate contact with the metal to provide the required cathodic protection. Any material such as old paint or rust can be prevent zinc from working properly to protect steel.

Application

For spray application, it should be done 30cm away from the substrate to obtain the specified thickness. The application should be carried out in ventilated places. The coating should not be applied when the ambient temperature is below 10°C (50°F) 283 K or above 40°C (104°F) 313 K. Apply at a relative humidity less than 85% or when the substrate temperature is more than 3°C (37.4°F) 276 K above dew point.



Repair according to ASTM A780 "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. A cleaning type SSPC-SP10 close to white metal is recommended. For less critical field exposure conditions clean the surface to bare metal per SSPC-SP11 as a minimum. Where circumstances do not allow cleaning with electrical or explosive tools it is permitted to hand clean areas in accordance with SSPC-SP2. To ensure a smooth reconditioned coating can be obtained the surface preparation will be spread into the galvanized coating without damage. The method and scope of surface preparation shall be mutually agreed between the contracting parties.
2. If the area to be reconditioned includes solder, first remove all flux residue and solder spatter (of a size that cannot be removed with a wire brush 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 give multiple passes until a dry film thickness is achieved as agreed between the contracting parties. Allow adequate cure time before submitting repaired items to service condition.
4. Take thickness measurements with a magnetic, electromagnetic or Eddy current gauge to ensure the applied coating is as specified in accordance with SSPC-PA2.

Colors

Grey.

CHEMICAL RESISTANCE			TEST METHOD
Chemical Agents	Fumes and Vapors	Spills and Splashes	
Acids	Good	Regular	ASTM G-20
Alkali	Excellent	Excellent	ASTM G-20
Solvents	Excellent	Good	ASTM G-20
Salts	Excellent	Good	ASTM G-20
Water	Excellent	Excellent	ASTM G-20



Application Equipment

Airless Sprayer

Pressure..... 2400 PSI - 3000 PSI
 Hose..... 3/8" ID
 Nozzle..... 0.021" – 0.026"
 Filter..... Mesh 60

Conventional Spray Equipment

Gun..... Binks 95
 Nozzle..... 0.018" – 0.020"
 Atomization pressure..... 50 PSI - 60 PSI
 Fluid pressure..... 20 PSI - 30 PSI

Brush Application

Nylon/polyester bristle or natural bristles

Roller Application

Synthetic fiber plush ¼" x 9"

* To clean application equipment, use dilution solvent MT-580.

Mix Ratio According to Equipment Used

Equipment	Solvent
Airless spray	It does not carry or if necessary maximum 10% of MT-580 thinner.
Conventional Spraying Equipment	Use 20 - 30% of MT-580 thinner.
Brush or Roller Application	Use maximum of 10% of MT-580 thinner.

* To calculate material consider a 10-20% tare depending on surface and 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.



Handling 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.