GALVANOX IV

ANTICORROSIVE PASTE RICH IN ZINC

Technical Data Sheet

SPECIFICATIONS		TESTING METHOD		
		NOM or NMX	ASTM	ISO
Number of components	1	--	--	--
Theoretical yield (at 1 mils.)	34.67 m^2/L minimum	--	--	--
Topcoat	Matte	--	--	--
Adherence	5B	NMX-U-065-SCFI-2011	D-3359	--
Recommended Dry Thickness Per Coat	6 mils maximum	--		--
Recommended Wet Thickness Per Coat	7.5 mils	--	D-4414	2366 2808
Saline Chamber	1500 hours minimum	--	B-117	9227
Density at 25°C (77°F)	2.500 g/cm^3 minimum	NMX-C-454-ONNCCE-2007	D-1475	2811-1
Viscosity at 25°C (77°F)	140 UK minimum	NMX-U-038-SCFI-2012	D-2196	--
COV's, (VOC's)	250 g/L maximum	NOM-123-ECOL-1998	D-3960	17895
Temperature Resistance	Continue 93°C (199.4°F)	--	--	--
	Do Not Continue 120°C (248°F)	--	--	--
Time to dry to touch at 25°C (77°F)	0.5 hours maximum	--	--	--
Time to dry to hard at 25°C (77°F)	1 hours maximum	--	--	--
Solids in weight	90% minimum	NMX-C-425-ONNCCE-2003	D-2369	3251
Solids is volume	88% minimum	NMX-C-425-ONNCCE-2003	D-2697	3233

Characteristics

Pulp of the organic type of zinc. Made up of a single component which leaves 92% zinc on the substrate in the dry film. Anticorrosive, easy to apply, fast drying and versatile on any metal surface. Due to its high zinc content it works as cathodic protection replacing hot galvanizing.

Uses

This coating is recommended for smoothing, fillings and correcting defects in the metal surface. Whether in electrical equipment such as transformers or any type of industry and especially where corrosion rates are high. Such as petrochemical, maritime, transmission towers (drilling and screwdriving), unprotected parts, substations, platforms and all types of structural steel and concrente and where GALVANOX II is used as a primary.

Systems

Systems	Description
1	GALVANOX IV + SUBALOX E
2	GALVANOX IV + SUBALOX E AS
3	GALVANOX IV + SUBALOX U
4	GALVANOX IV + SUBALOX U AS
5	GALVANOX IV + SUBALOX V AS
6	GALVANOX IV + SUBALOX U SH
7	GALVANOX IV + SUBALOX SR

Surface Preparation

The surface on which it is to be applied requires as a mínimum a primer and/or topcoat in order to promote adhesion.

Application

The application must be carried out in ventilated places. The coating should not be applied when the ambient temperatura is below 277 K (4ºC) 39.2ºF or above 316 K (43ºC) 109.4 ºF. Apply at a relative humidity lower than 85%.

1. Verify key and expiration date before applying.
2. Uncover and use the necessary quantity and later keep hermetically and store at temperatures no higher than 35ºC (95ºF) and indoors.
3. Incorporate the amount to be used with a plastic or metal spatula.
4. Settle with fine sandpaper withour casuing scratches or porosities and clean the surafce to be repaired so that it is free of dust and grease. It is important that the coating is well cured to prevent the sandpaper from clogging.
5. Apply the product with a spatula or plastic or metallic trowel on the surface to be adetailed withour exceeding the recommended thickness.
6. Allow the recommended hard drying to be sanded.
7. Seat with fine sandpaper, if required without causing scratches or porosities.
8. Proceed to apply the first pass of primer and/or topcoat and let it flash for 20 minutes for best results.
9. Finish going over topcoat as normal.

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 mínimum. Where circumstances do not allow cleaning with electrical or explosive tolos 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 ítems to service condition.
4. Take thickness measurements with a magentic, electromagnetic or Eddy current gauge to ensure the applied coating is as specified in accordance with SSPC-PA2.

Colors

Grey.

Storage Conditions

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

Handling Safety

This product contains highly flammable materials, it's 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.