PERMANOX E FN

NOVOLAC PHENOLIC EPOXY TOPCOAT

Technical Data Sheet

SPECIFICATIONS		TESTING METHOD		
		NOM or NMX	ASTM	ISO
Number of components	2	--	--	--
Ratio (Mixture)	79XXX-EFN/ 79010-C 4:1 in volume	--	--	--
Thinner	MT-571/MT-800	--	--	--
Theoretical yield (@ 1 mil)	30 m^2/L. minimum	--	--	--
Appearance	Bright	--	--	--
Adherence	5B	NMX-U-065-SCFI-2011	D-3359	--
Recommended DFT	4 – 5 mil	--	D-7091	--
Recommended WFT	5.5 – 6.5 mil	--	D-4414	2808
Density (mixture) @ 77°F (25°C)	1.300 g/cm^3 minimum	NMX-C-454-ONNCCE-2007	D-1475	2811-1
Viscosity (Brookfield) @ 77°F (25°C)	2000 – 4000 cps	NMX-U-038-SCFI-2012	D-2196	--
Time to dry to touch @ 77°F (25°C)	6 h maximum	NMX-C-427-ONNCCE-2003	D-1640	9117-1
Time to dry to hard @ 77°F (25°C)	24 h maximum	NMX-C-427-ONNCCE-2003	D-1640	9117-1
Solids in (weigh)t	80% minimum	NMX-C-425-ONNCCE-2003	D-2369	3251
Solids in (volume)	75% minimum	NMX-C-425-ONNCCE-2003	D-2697	3233
Pot life @ 77°F (25°C)	1 h maximum	--	--	--

Characteristics

High solids novolac phenolic epoxy coating with chemical resistance to lactic acid, solvents, abrasion and corrosion.

Uses

This coating is recommended for indoor concrete floors, industrial floors, workshops, beverage factories, food industries, dairy industries, locks, containment barriers and trenches for spills of corrosive substances.

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

Systems

System	Description
1	PERMANOX SELLALAC + PERMANOX EFN
2	PERMANOX SELLALAC + PERMANOX PASTA SELF LEVELING + PERMANOX EFN
3	PERMANOX SELLALAC + PERMANOX MORTERO + PERMANOX PASTA AUTONIVELANTE + PERMANOX EFN
4	PRIMARIO EPOXICO + PERMANOX EFN

Surface Preparation

The surface to be coated must be clean and dry, free of oils, grease, dust or textile fibers. If the concrete is new it must have had a minimum setting time of 4 weeks. generate anchor profile with mechanical method (sanding, grinding) Seal with PERMANOX SELLALAC or Epoxy Primer.

Von previously applied topcoats: make sure the coating has perfect adhesion remove any loose layer of paint. Give anchor profile with mechanical method (sanding, grinding).

Perform adhesion test on a representative area prior to coating application.

Application

Novolac Phenolic Epoxy Coating Consists of two components in a mixing ratio of 4 parts by volume of component A and one part by volumen of component B.

With stirring incorporate perfectly avoiding trapping air. The coating should not be applied when the ambient temperature is below 50°F (10°C) or higher than 104°F (40°C). Apply at a relative humidity less than 85%.

Once the mixture is prepared immediately pour the entire mixture directly onto the floor in sections so that it can be distributed quickly and synchronously with a roller, brush, trowel or squeegee.

The application must be carried out in ventilated places for your safety.

Colors

White, light grey RAL7035 and others as requested by the user client.
Consult Technical Area.

Application Equipment

Trowel
Trowel

Roller
Roller

Brush
Brush

* To clean equipment use dilution solvent.

Dilution Ratio Based on Equipment

Equipment	Solvent
Brush or Roller Application	Use maximum 30% of MT-571/ MT-800 solvent.

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

Storage Conditions

Closed lid containers, under roof and a temperature under 104ºF (40ºC) 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 55 5650 5089, 55 5650 5238 and 55 5657 2784.