SUBALOX U HS DTM

Direct-to-metal high solids polyurethane topcoat

Technical Data Sheet

SPECIFICATIONS		TEST METHOD		
		NOM or NMX	ASTM	ISO
Number of Components	2	--	--	--
Ratio (Mixture)	7:1 in volume	--	--	--
Thinner	MT-170	--	--	--
Theoretical yield (@ 1 mils.)	26.0 m^2/l minimum	--	--	--
Appearance	Bright	--	--	--
Adherence (in system)	5B	NMX-U-065-SCFI-2011	D-3359	2409
Density (mixture) @ 77°F (25°C)	1.200g/cm^3 minimum	NMX-C-454-ONNCCE-2007	D-1475	2811-1
Recommended DFT	2 mils – 3 mils	--	D-7091	2178
Recommended WFT	3 mils – 5 mils	--	D-4414	2366 2808
Viscosity (mixture) @ 77°F (25°C)	2000 cps – 3000 cps	NMX-U-038-SCFI-2012	D-2196	--
Time to dry to touch @ 77°F (25°C)	4 hours maximum	NMX-C-427-ONNCCE-2003	D-1640	9117-1
Time to dry to hard @ 77°F (25°C)	24 hours maximum	NMX-C-427-ONNCCE-2003	D-1640	9117-1
Solids (Mixture) in weight	72% minimum	NMX-C-425-ONNCCE-2003	D-2369	3251
Solids (Mixture) in volume	65% minimum	NMX-C-425-ONNCCE-2003	D-2697	3233
Pot Life @ 77°F (25°C)	3 hours	--	--	--

Characteristics

Subalox U HS DTM is has a great weather and chemical resistant. It contains zinc phosphate; maintains a high gloss and is compatible with epoxy coatings with good adhesion on steel and galvanized without the need for etching or primer. Low level of isocyanates. It consists of 2 components in a mixing ratio of 7 parts of component A to one part of component B by volume (7:1).

Uses

SUBALOX U HS DTM is recommended as a high build topcoat for the protection of structural steel in severely corrosive environments. VOC compliant. May be specified as a “direct to metal” single coat system in C2 and C3 environments. It is compatible with epoxy coatings and can be used for galvanized surfaces.

Systems

Systems	Description
1	SUBALOX U HS DTM
2	GALVANOX II + SUBALOX U HS DTM
3	SUBOX E + SUBALOX U HS DTM
4	SUBALOX E AP + SUBALOX U HS DTM

Surface Preparation

It requires at least manual or mechanical preparation and cleaning with solvent. When the surface is galvanized use MT-381 solvent.

Application

Spraying application should be perfomed at 12 inches (30 cm) from substrate to obtain specified film thickness. The application should be perfomed and ventilated spaces. The coating should not be applied when the temperature is below 39.2°F (4°C) or over 109.4°F (43°C). Apply at a relative humidity under 85%.

Colors

Standardized and according to customer requirements.

Application Equipment

Airless Sprayer

Conventional Spray Equipment

Application With Brush or Roller

* To clean application equipment, use dilution solvent MT-170.

Mix Ratio According to Equipment Used

Equipment	Solvent
Airless spray	It does not need or if necessary maximum 10% of MT-170 solvent.
Conventional Spraying Equipment	Use 20 - 30% of MT-170 solvent.
Brush or Roller Application	Use maximum of 10% of MT-170 solvent.

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

Storage Conditions

Closed lid containers, under roof and a temperature under than 104ºF (40ºC) and under than 80 % relative humidity.

Handling Safety

Its application should be in well ventilated places. When applying consult and follow the safety regulations indicated in the product safety sheet.

Observations

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.