STABILIS DTM A – 2 in 1 Coating

One Pack Self Priming Epoxy Acrylic Coating

Product Description

Stabilis DTM A is a general purpose one component self-priming epoxy acrylic coating . It can be use as direct to metal as primer and top coat.

Features

- Good durability in wide range of corrosive environment.
- Easy to use – spray, brush , roller
- Excellent adhesion properties to aged paint film, blasted clean concrete and steel structure.
- Good anti corrosion and rust inhibiting properties.

Typical Uses

Suitable for use as primer cum finish system for steel structure, touch-up repair for container boxes, steel and metal structures.

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Physical Data

Color	:	As specified
Flash Points	:	24.0 ^{0}C
Gloss	:	Matt
Volume Solid	:	40+/- 2%
VOC(as supplied)		538g/L
Shelf Life @25^{0}C / indoor	:	24 months

Typical Thickness : 50 ~ 80μ dried film.

Drying Time(at Dry Film Thickness 75μ)	Temperature	10^{0}C	20^{0}C	30^{0}C
	Surface Dry	1.2 hrs	1.0 hrs	0.5 hrs
	Hard Dry	9 hrs	7.0 hrs	6.0 hrs
Painting interval:	Minimum	13 hrs	9 hrs	7 hrs
	Max. (self)	-	-	-
Theoretical coverage (at DFT 50- 80μ)		0.125~0.20 L/m^2 ; 8.0 ~ 5.0m^2/L		
Service temperature		-60 to 120^{0}C (dry)		

Application Data

Thinner : Hana Thinner A
Application Method : airless spray, roller, brush

Mixing Procedure : Power mix for at least two minutes or until homogeneous.

Drying schedule : Single pack and drying by solvent evaporation and oxidation. Higher film thickness, insufficient ventilation, or lower temperature will require longer drying time. Excessive humidity or condensation on the surface can interfere with the drying cause discoloration and may result in a surface haze. Any haze or contamination must be removed by water washing before recoating.

This product requires the substrate temperature to be above the dew point (+ 3~5 ^{0} C). Condensation due to substrate temperatures below dew point can cause flash rust on metal and adhesion will be affected.
Color Different : The paint use as primer or anti fouling may have slight color variance between batches. Similarly , the paint under sun light exposure may fade and chalk.

Application Procedure

Mix properly the paint before use.

a) Flush equipment with acrylic thinner before use.
b) Mix the paint thoroughly until homogeneous.
c) Thin with Hana Thinner A only if necessary for workability.
d) When applying by conventional spray, use adequate air pressure and volume for proper atomisation.
e) Apply a wet coat in even parallel passes, overlap 50% to avoid holidays and pin hole.
f) Excessive thickness can prolong drying and sagging.
g) Clean up all equipment with thinner immediately after use.
h) Keep containers tightly close and store in proper storage area.

Condition of Application

Use brush or roller with 1/8" nap . Apply at sufficient thickness and avoid repeating rolling to have good levelling.

Temperature	:	Min 5 ^{0} C ; Max 50 ^{0} C
Humidity	:	Maximum 85 % R.H.
For Airless spray	:-	
Tip Size	:	Graco 621, 721 or equivalent
Paint Output pressure	:	11.7 – 17.7 MPa (g)
Viscosity	:	120 sec Ford Cup no 4
Thinning	:	0 – 10 % by volume

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Surface Preparation

General :
Surfaces must be clean and dry, all contaminants like dirt, dust , oil must be remove by appropriate method to ensure good adhesion.

Abrasive blast clean
Abrasive blast clean to Sa 2.5 (ISO-8501) or SSPC-SP6. In case of hydro blasting or hydro jetting to remove existing coating, ginger rust should be remove and blow dry before application. Surface profile must be a minimum of 50 microns.

Shop primed steelwork
Weld seam and damaged area should be cleaned to a minimum St3 or SSPC-SP3. The shop primed steelwork should be repair for any rust and free from any contaminant with suitable secondary surface preparation such as spot blast , sweeping or power tooling.

Performance Data :

Properties	Test Method	Evaluation
Pull off Strength	ASTM D3359-09	24/25, 5A
Salt Spray (5% NaCl solution)	ASTM B117	500hrs , as system coat
Humidity (50 ^{0}C, 100% RH)	ASTM D1748	500hrs , as system coat

Safety Precaution and Clean-up

Safety : Read and follow the material safety data sheet (MSDS) before use. Employ normal safety precaution. Put on necessary personal protection equipment when handle and use this product.

Ventilation : when working in a confine workplace, thorough air ventilation must be used during and after application until the coating is cured. The ventilation system should be effective to prevent solvent vapour concentration from reaching lower explosion limit for the product and to ensure exposure limit to the personnel to be below permissible exposure limit.

Caution : All electrical equipment and installations should be properly grounded. In area where explosion hazard exist, workmen should be used non-ferrous tools, conductive shoes and non-sparkling tools

Clean-up : Use Hana Paint epoxy thinner (Hana Thinner E) or hydrocarbon solvent for cleaning. Observe safety precaution when use the solvents. In case of spillage, absorb and dispose the material and used container according to local required regulation or through licence waste collector.

Disclaimer

Data, specifications, directions and recommendations given in this data sheet represent test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use is not guaranteed and must be determined by user. The products are delivered and any technical assistance is given subject to our GENERAL CONDITIONS OF SALE,DELIVERY AND SERVICE and ,unless otherwise expressly agreed in writing ,manufacturer and seller assume no liability in excess of that stated therein for results obtained, injury, direct or consequential damage incurred from the use as recommended above or otherwise.

Limited Warranty

Whilst we endeavour to ensure that all advice we give about this product is correct and manufacture according to standard quality control system, however we have no control over either the quality or condition of the substrate or many other factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of this product.