

SP DTM 401



The Ultimate Protective Solution

TECHNICAL DATA

A single pack High-build fast drying **QD DTM** Alkyd paint for single coat application.

INTENDED USES

This versatile DTM enamel is useful for interior & outdoor applications. This paint is recommended to Pre Engineered Buildings (PEB), OEM's, Fabricators, Architectural applications, Steel Furniture, Automobiles etc.

PHYSICAL PROPERTIES

Colour	: Full range
Finish	: Smooth & Semi Glossy / Matt
Flash Point	: Above 25 ⁰ C
% Solids by Volume	: 60 ± 2 %
Thinner intake	: 5 to 10 %
Recommended D.F.T.	: 70-80 µm per coat.
Drying time @ 30°C	: a) Surface Dry : 10 minutes. b) Tack free : 1.20 Hrs
& at recommended D.F.T.	: c) Dry to handle : 10 Hrs.
Over coating Interval	: 6 to 24 hrs. @ 30°C
Recommended Thinner	: T-7000 for thinning & equipment cleaning
Shelf life	: 12 months (Sealed components under normal storage condition)
Theoretical Coverage	: 8.57 m ² /litre on smooth & non-absorbent surface @ recomd. DFT
Application method	: By airless Spray / Brush
Compatibility	: Compatible to Alkyd /Epoxy / PU paints.

SURFACE PREPARATION :

Blast clean to Sa 2 ½ (ISO 8501-1), steel profile recommended 25 – 50 µm. Check the steel profile, if it is between 25–30 µm then the (DFT) thickness of the total paint system should be 90 – 100 µm. (The DFT of the total paint system should be thrice to profile of the blasted surface.)

APPLICATION EQUIPMENTS :

AIR SPRAY

Nozzle Size	: 1.8 – 2.2 mm
Operating Pressure	: 4-5 kg/cm ² (50- 80 psi)

AIRLESS SPRAY

Nozzle Size	: 0.38 – 0.48 mm
Operating Pressure	: 115 kg/cm ² (1600 psi)

The airless spray details given above are intended as a guide only. Details such as fluid hose length and diameter, paint temperature and job shape and size all have an effect on the spray tip and operating pressure chosen. However, the operating pressure should be the lowest possible consistent with satisfactory atomization. As conditions will vary from job to job it is the applicators' responsibility to ensure that the equipment in use has been set up to give the best results.

APPLICATION CONDITIONS AND OVERCOATING :

This product should preferably be applied at temperatures in excess of 10⁰ C. In conditions of high relative humidity i.e. 80-85% good ventilation conditions are essential. Substrate temperature should be at least 5⁰C & above the dew point. This product can be over coated after 3-4 hrs.

The maximum air and substrate temperature for application is 50⁰C providing conditions allow satisfactory application & film formation. If the air & substrate temperature exceed 50⁰C & this coatings are applied under these conditions, paint film defects such as dry-spray, bubbles & pinholes etc. can occur within the coating.

Application at ambient air temperatures below 5⁰c is not recommended. Do not apply when relative humidity rises above 90%. Do not apply during rain, fog or mist. Such conditions do not permit adhesion of coating with the substrate.

ADDITIONAL NOTES :

Drying times, curing times and pot life should be considered as a guide only.

Numerical values quoted for physical data vary slightly from batch to batch & against the temperature.

Immediately close the partly used container.

SAFETY PRECAUTIONS :

While applying this product in closed structures, arrangements for adequate ventilation must be ensured. Smoking and naked lights should not be permitted. Mask should be worn when spraying. To avoid skin contamination use barrier cream or disposable gloves. Wash hands and face regularly with hot water and soap. Brushes & equipment should be cleaned with recommended thinner immediately after use.

DISCLAIMER : The information in this data sheet is given to the best of our knowledge based on laboratory testing & practical experience. It is the user's responsibility to conduct all necessary trials & tests to confirm the suitability of any product or system to their intended use. Our all recommendations or suggestions whether in technical documentations in writing or verbal are given in good faith but without any type of warranty or liability on us. We have no control over either the quality or condition of the substrate, or the factors affecting the use & applications of the product. Therefore we do not accept any liability arising from loss, injury or damage resulting from such uses.



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