

PRODUCT DATA SHEET

Product Code- 7301

Maricryd 670 DTM QD Paint

HIGH BUILD & HIGH SOLID FAST DRY ACRYLATED ALKYD PAINT

Description	Marigold DTM QD Paint is based on Acrylic / Styrene modified Alkyd resin which can be applied on steel surface directly without any primer underneath. It is high build, high solid paint which dries quite fast. Anticorrosive Pigment and rust inhibitors in the formulation provide good resistance to corrosion.
Uses	Recommended for use in new construction as well as for maintenance purpose. It is suitable for interior as well exterior of steel structure. It meets the requirement of Pre Engineered building (PEB), staircases and platform maintenance. VOC compliant and provides higher DFT of about 100 Microns which enables it to protect steel in moderate corrosive environment.

PHYSICAL PROPERTIES

Colour	A Selected range of colours
Finish	Semi glossy, Smooth and Free from any surface defects
Density	1.44±0.02 Kg/Liter
Volume Solid %	67±2
Theoretical Coverage	About 6.7 Sq. Meter / Liter at 100 Micron DFT(without loss factor)
Flash Point	30 °C
Surface Dry	30 Minutes at 30 Degree C
Touch Dry	1.0 Hours at 30 Degree C
Hard Dry	Overnight- 8-12 Hours at 30 Degree C
Full Cure	5 days
VOC	300 ± 3 Grams /Liter
Shelf Life	One Year when stored in shade below 35 Degree Centigrade.
Service Temperature	100° C, at higher temperature colour/appearance may change.

APPLICATION DETAILS

Composition	Single Pack Synthetic high build paint
Application Method	Airless Spray, Air Spray and Brush.
Nozzle Size	0.017-0.022"
Pressure by Airless Spray	150-170 Bar
Dry Film Thickness (DFT)	100 Microns (viscosity can be adjusted to achieve required DFT but thinning not to exceed 5% of thinner No 100)
Wet Film Thickness (WFT)	150 Microns
Over coating Interval	6-8 hours (if over coating is required)

SURFACE PREPARATION	The surface to be painted should be free from dirt, dust, oil, grease or any other contaminations. It should be absolutely dry and free from moisture. Marigold DTM contains rust inhibiting pigment Zinc Phosphate and can directly be applied to clean and shot blasted (Sa 2.5) steel substrate to give good corrosion protection and good outdoor durability. Over coating after weathering or ageing: Need to ensure that old coating is fully cleaned and is free from contamination such as oil, grease etc. before application of further coats of Marithane 670.
APPLICATION CONDITIONS	<i>During painting need to ensure that surface temperature is at least 3°C above dew point.</i>
Thinner	<i>Thinner intake will depend upon application conditions, application method and type of object. Depending upon conditions and results to be achieved thinner intake may vary from 5% to 10%.</i>
PREVIOUS COAT	None, Direct to Metal
SUBSEQUENT COAT	None
CAUTION	<i>This product must only be thinned using the recommended thinner. The use of alternative thinners can affect the curing mechanism of the coating. This product is not recommended for use in immersion conditions.</i>
SAFETY	Marithane PU Paints are solvent based products, user need to take safety precaution which are applicable to all the petroleum based inflammable products. Use PPF while using PU Paints and follow National Safety Standards for use of PU Paints. Painting should be done in open and ventilated place. Use Foam based fire extinguishers in case of fire. Keep it away from direct fire/ flame and store the product under the shade below 35 degree Centigrade.

Issued By: Marigold Paints Pvt. Ltd

The Product is for Industrial use only. Product data given here *is correct to the best of our knowledge but their accuracy may vary depending upon the quality of the substrate, application parameters and atmospheric conditions affecting the performance of the product. Therefore the users are advised to make their own tests to determine the suitability of products for their own purposes under present conditions.*

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