

## PRODUCT DATA SHEET

Product Code 7610

### Marithane 100 PU PAINT

<b>Description</b>	Marithane 100 is Two Component Polyurethane Paint which is cured with aliphatic isocyanate.
<b>Uses</b>	Recommended for use in new construction as well as for maintenance purpose. It is suitable for a wide range of applications including steel structure, Metal components, Radiators, PEB and repair of plants.

### PHYSICAL PROPERTIES

<b>Colour</b>	A wide range of colours.
<b>Finish</b>	Glossy, Smooth and Free from any surface defects
<b>Density</b>	1.20 ±0.02 Kg/Liter
<b>Volume Solid %</b>	45±2
<b>Theoretical Coverage</b>	About 12.50 Sq. Meter / Liter at 40 Micron DFT( without loss factor)
<b>Flash Point</b>	25 °C
<b>Surface Dry</b>	1.5 Hours at 30 Degree C
<b>Touch Dry</b>	4.0 Hours at 30 Degree C
<b>Hard Dry</b>	Overnight- 16 Hours at 30 Degree C
<b>Full Cure</b>	7 days
<b>VOC</b>	430 ± 3 Grams /Liter
<b>Shelf Life</b>	One Year when stored in shade below 35 Degree Centigrade.
<b>Service Temperature</b>	100°C.at higher temperature colour/appearance may change.

### APPLICATION DETAILS

<b>Mixing Ratio - Base: Hardener</b>	4:1 by Volume
<b>Application Method</b>	Airless Spray, Conv. Spray, Electrostatic Spray, Brush & Roller.
<b>Pot Life</b>	4.0 Hours at 30°C (Pot Life decreases with increase in room temperature)
<b>Nozzle Size</b>	0.013"-0.018"
<b>Pressure by Airless Spray</b>	140-160 Bar
<b>Dry Film Thickness (DFT)</b>	40- 60 Microns (viscosity can be adjusted to achieve required DFT but thinning not to exceed more than 15% of thinner No 100)
<b>Wet Film Thickness (WFT)</b>	90- 140 Microns
<b>Over coating Interval</b>	Minimum – 16 Hours AT 30 Degree C

## MARITHANE 100 PU PAINT

<b>SURFACE PREPARATION</b>	<p><b>Substrate:</b> 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.</p> <p><b>Primer:</b> Marithane 100 should always be applied over a recommended anti-corrosive primer. The primer surface should be dry and free from all contamination. Marithane 100 must be applied within the recommended over coating intervals</p> <p><b>Over coating after weathering or ageing:</b> 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 100.</p>
<b>APPLICATION CONDITIONS</b>	<p>PU Paints are extremely sensitive to moisture and Humidity. High humidity during painting may adversely affect the appearance and performance of PU Paint.</p> <p>Condensation occurring during or immediately after application may result in a matt finish and an inferior paint film</p> <p>Minimum temperature for curing of Marithane 100 is Zero °C. However, at this temperature there is risk of ice formation which will impact the adhesion of paint film.</p> <p>During painting need to ensure that surface temperature is at least 3°C above dew point. The best result is obtained by applying a mist coat of Marithane 100 followed by full coat to achieve required DFT.</p>
<b>Thinner</b>	<p>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 15%.</p> <p>PU Thinner No. 100 is recommended to thin down the paint to required viscosity.</p>
<b>PREVIOUS COAT</b>	<p>Maripoxy HB ZP Primer &amp;, Maripoxy Mastic any other suitable Epoxy Primer.</p>
<b>SUBSEQUENT COAT</b>	<p>None, can be over coated with itself to increase the DFT.</p>
<b>CAUTION</b>	<p>This product must only be thinned using the recommended thinner. The use of alternative thinners can affect the curing mechanism of the coating.</p> <p>This product is not recommended for use in immersion conditions.</p>
<b>SAFETY</b>	<p>Marithane PU Paints are solvent based products, user need to take safety precaution which are applicable to all the petroleum based inflammable products. Use PPE 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.</p>

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. Unless agreed upon in writing, we do not accept any liability for the performance of the product. We hereby disclaim any warranties or representations, liability, including but not limited to negligence, injury, consequential losses, or damages arising from the use of the Products as recommended above. Product data are subject to change without notice.