

**POLY URETHANE HIGH BULID TOPCOAT MP40515**

**This product is based on Polyurethane as a protective finish coat for protection of structural steel where superior performance، attractive gloss retention is required such as chemical plants ، offshore platform and petroleum refineries**

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| --- | --- | --- | --- |
| 65±2 % | Volume Solid (A+B) | solvent evaporation and chemical reaction | Curing mechanism |
| 100-150 | **DFT (µ)** | **2** | **No. of component** |
| 150-230 | **WFT(µ)** | **white** | **Color** |
| 4.33-6.5 | **Theoretical spreading rate(m²/lit)** | **Semigloss-gloss** | **texture** |
| MP40008 | **Thinner/Cleaner code** | **-------------------------** | **Density A**(gr/cm3) |
| \*12 months | **Shelf life** | **1.4±0.1 gr/cc** | **Density (A+B)** (gr/cm3) |

\* **In storage temperature of 10-30°C**

**DRYING AND RECOATING TIME**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Drying time & Recoating times | | | | |
| Dry to coat | | **Full cure**  **(day)** | **Dry to handle**  **(hour)** | **Touch dry**  **(hour)** |
| Maximum(days) | **Minimum(hours)** |
| 6 | **12** | **7** | **6-8** | **1-2** |

**The surface should be dry and free from contaminants to over coating. The best intercoat adhesion is achieved when the subsequent coat is applied before the preceding coat if fully cured**

**APPLICATION DATA**

|  |  |
| --- | --- |
| 1 Can comp. A should be mixed by 1 Can comp. B | Mixing ratio |
| 30 minute@25°C | **Induction time** |
| 6 hours @25°C | **Pot life** |

**APPLICABLE**

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|  |  |  |  |
| --- | --- | --- | --- |
| volume thinner | nozzle size(mm) | Pressure (bar) |  |
| 0-5% | **0.4-0.54** | **120-150** | **Airless spray** |
| 0-10% | **1.6-2.2** | **4-5** | **Air spray** |
| suitable for touch up purposes | | | **Brush** |

**APPLIACATIN CONDITIONS**

|  |  |  |
| --- | --- | --- |
| **Substrate Temperature** | **Temperature of the paint before application** | **Humidity** |
| **min 10°c-max.45°C** | **min.10°c ˓max.30°C** | **below 80% R.H.** |
| **The temperature of the substrate should be at least 3°C above the dew point of the air. Air temperature and relative humidity must be measured in the vicinity of the substrate.** | | |

**SURFACE PREPARATION**

|  |  |
| --- | --- |
| Existing systems should be dry and free from loose paint, salt, grease and the contaminants prior to over coating. Oil and grease should be removed by solvent cleaning according to SSPC-SP1. Remove salts and dirt by fresh water washing.  Corroded areas should be repaired first with an appropriate primer system. | Painted Surfaces |
| The surface should be clean and free from oil, dirt, dust and other impurity. It is recommended to roughen the surface by proper mechanical devices, blasting or sanding and then rinse the surface with MP40008. The paint may be applied after the surface being completely dry | **Plastic Surfaces** |

**HEALTH AND SAFTETY**

**Observe the pre cautionary notice on the label of the container. A material safety data sheet is available upon request. This product in intended for use by professional applicator.as a general rule ˓avoid skin and eye contact by wearing overalls ˓gloves ˓masks ˓etc. Spillage on the skin should immediately be removed through washing with water and soap or industrial cleaner. Spraying should be carried out under well-ventilated conditions. Avoid inhalation of solvent vapors and mist by wearing an air mask.**

**This product contains flammable materials and should be kept away from sparks and open flames˓ smoking in the area should not be permitted.**

**DISCALIMER**

**The information in this data sheet is provided to the best knowledge. However we have no control over either quality or condition of the substrate and factors affecting the use and application of this product. Therefore ˓ we cannot accept any liability whatsoever or howsoever arising from the performance of the product or for any loss or damage arising from of this product**