

**ETHYL SILICATE ZINC RICH PRIMER MP50061**

**A self-curing ethyl silicate with high zinc dust content for an excellent protection of steel structures against corrosion in industrial and marine environments. The product is also heat resistant up to 400 °C. It is recommended for protection of steel structures against corrosive marine and industrial environments which Relative humidity is so high.**

|  |  |  |  |
| --- | --- | --- | --- |
| 62±2 % | Volume Solid (A+B) | solvent evaporation and chemical reaction | Curing mechanism |
| 70-80 | **DFT (µ)** | **2** | **No. of component** |
| 120-1130 | **WFT(µ)** | **gray** | **Color** |
| 7.75-8.85 | **Theoretical spreading rate(m²/lit)** | **flat** | **Texture** |
| 50018 | **Thinner/Cleaner code** | **-------------------------** | **Density A**(gr/cm3) |
| 4 months | **Shelf life** | **3±0.1 gr/cc** | **Density (A+B)** (gr/cm3) |

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

**DRYING AND RECOATING TIME**

|  |  |  |  |
| --- | --- | --- | --- |
| Drying time & Recoating time – ASTM-D 1640 | | | |
| Dry to coat | | **Full cure (day)** | **Touch dry at 50%RH**  **(min)** |
| Maximum(days) | **Minimum(hours)** |
| infinite | **3** | **5** | **10-15** |

**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** |
| 3 hours @25°C | **Pot life** |

**APPLICABLE**

****

|  |  |  |  |
| --- | --- | --- | --- |
| volume thinner | nozzle size(mm) | Pressure (bar) |  |
| 0-5% | **0.51-0.64** | **120-150** | **Airless spray** |
| 0-10% | **1.8-2.2** | **4-5** | **Air spray** |
| suitable for touch up purposes | | | **Brush** |

**APPLIACATIN CONDITIONS**

|  |  |  |
| --- | --- | --- |
| **Substrate Temperature** | **Temperature of the paint before application** | **Humidity** |
| **min 15°c-max.40°C** | **min.15°c ˓max.35°C** | **65%-95%** |
| **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**

|  |  |
| --- | --- |
| Oil and grease should be removed by solvent cleaning according to SSPC-SP1.  Remove weld spatter and smooth weld seams and sharp edges as applicable.  Abrasive blasting: min. Sa3– ISO 8501:1.  Apply ethyl Silicate primer immediately after the steel has  been blasted and the quality of preparation has been approved. | Steel structure |

**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**