 **Thermoplastic road marking paint**  **MP21515**

**This product is based on thermoplastic acrylic resin and ISIRI 21194 standard and has good adhesion over asphalt and cement surface. this paint has proper resistance erosion and suitable for marking and lining of asphalt surfaces of roads, highways and streets under normal conditions.it also recommended for painting of cement side/divider blocks of roads.**

**PHSICAL PROPERTIES**

|  |  |  |  |
| --- | --- | --- | --- |
| 59±1 % | Volume Solid (A+B) | solvent evaporation | Curing mechanism |
| 300-350 | **DFT (µ)** | **1** | **No. of component** |
| 500-600 | **WFT(µ)** | **white** | **Color** |
| 1.7-1.9 | **Theoretical spreading rate(m²/lit)** | **matt** | **texture** |
| 20018 | **Thinner/Cleaner code** | **1.5±0.1 gr/cc** | **Density A**(gr/cm3) |
| \*12 months | **Shelf life** | **----------------** | **Density (A+B)** (gr/cm3) |

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

**DRYING AND RECOATING TIME**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Drying time & Recoating time | | | | |
| Dry to coat | | **Full cure**  (hour**)** | **No pick up time**  **(minute)** | **Touch dry**  **(minute)** |
| Maximum(days) | **Minimum(hours)** |
| indefinite | **1** | **1** | **10-20** | **5-10** |

**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**

|  |  |
| --- | --- |
| ----------------------------------------------------------------------------------------------------------------- | Mixing ratio |
| ----------------------------------------------------------------------------------------------------------------- | **Induction time** |
| ----------------------------------------------------------------------------------------------------------------- | **Pot life** |

**APPLICABLE**

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|  |  |  |  |
| --- | --- | --- | --- |
| volume thinner | nozzle size(mm) | Pressure (bar) |  |
| 0-5% | **0.38-0.53** | **120-150** | **Airless spray** |
| 0-10% | **1.2-2.2** | **3-5** | **Air spray** |
|  | | | **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**

|  |  |
| --- | --- |
| Surface must be dry and free from loose paint،salt،grease, oil and other contaminants. The surface must be continues and without crack. The loose sand particles should be removed of the surface before painting. Newly applied cement and asphalt shall be painted after at least 28 days after application (in environment temperature 20-30°C). | Asphalt and cement 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**