

## 0591 Pu Glass & Metal Coat Matt (2k) [4:1]

PU Glass & Metal Coat is a two-component polyurethane paint. It can be applied to all kinds of Metals. It provides a durable finish with far superior gloss, hardness & extraordinary Adhesion to Glass as well as metals such as Aluminum, Brass and Copper. I also give excellent Alcohol resistance.

PU Glass & Metal Coat forms a tough durable coat with exceptional chemical and mechanical properties. The tough coating also gives high impact resistance and allows it to absorb any dimensional changes in the substrate thus ensuring an ideal balance of functional properties. PU is best suited for interior as well as exterior application.

### Technical Data

|                                 |                                                                                                                                                                                                                                                                                                                               |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Surface Preparation</b>      | Metal to be coated is to be scrupulously cleaned & roughened to get better adhesion. If previously coated, remove the coating by scraping or sanding. Sand the surface with emery paper no. 100 or 180 followed by emery paper no 320 or 400. Apply Primers, preferably PU primer, smoothen the surface & then apply PU Paint |
| <b>Weight per Liter at 30°C</b> | Taralac PU Glass & Metal Coat Clear – Base 0.96 + 0.02 kg<br>Taralac PU Glass & Metal Coat Matt – Base 1.00 + 0.02 kg                                                                                                                                                                                                         |
| <b>Mixing Ratio</b>             | Taralac PU Base 80 parts by volume<br>Taralac PU Hardener 20 parts by volume<br>Taralac PU Thinner 15-30 parts by volume                                                                                                                                                                                                      |
| <b>Maturation Time</b>          | 30 minutes                                                                                                                                                                                                                                                                                                                    |
| <b>Pot-life</b>                 | Approximately 1 hour at 30°C                                                                                                                                                                                                                                                                                                  |
| <b>Method of Application</b>    | The coating can be applied by both spray & Dipping process.<br>Spray (For optimum performance, Taralac PU must be applied at a temp. between 20°C and 40°C and relative humidity below 75%.)                                                                                                                                  |
| <b>Spray Viscosity</b>          | 15-20 sec on Ford Cup B4 at 30°C                                                                                                                                                                                                                                                                                              |
| <b>Spray Pressure</b>           | 30-40 p.s.i. (2.2-2.8 kg/cm <sup>2</sup> )                                                                                                                                                                                                                                                                                    |
| <b>No of Coats</b>              | Apply 1-2 coats of TOPCOAT P.U. Glass & Metal Coat PAINT directly on any surface.                                                                                                                                                                                                                                             |
| <b>Covering Capacity</b>        | 5-7 sq mt/ltr/coat<br>(Depending on the method of application and film thickness.)                                                                                                                                                                                                                                            |
| <b>Drying Time at 30°C</b>      | Touch-dry 20 minutes<br>Tack-free 2 hours<br>Sanding-dry 5-6 hours<br>Hard-dry overnight                                                                                                                                                                                                                                      |
| <b>Sanding</b>                  | Sand with emery paper no. 320 or 400 between the application of successive primer and finish coats. Allow an inter-coat interval of 4 hours.                                                                                                                                                                                  |
| <b>Re-coating Time</b>          | 4 hours at 30°C<br>Not to exceed 72 hours                                                                                                                                                                                                                                                                                     |
| <b>Gloss 60° Gloss Head</b>     | Taralac PU Glass & Metal Coat Clear 85% minimum<br>Taralac PU Glass & Metal Coat Matt 15-25 %                                                                                                                                                                                                                                 |

### Health and Safety Information

|                             |                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Flash Point</b>          | Non-Flammable                                                                                                         |
| <b>Fire Hazard Class</b>    | Flammable                                                                                                             |
| <b>Health Hazard Class</b>  | Harmful as it contains volatile organic solvents. Avoid contact with skin and eyes.                                   |
| <b>Safety Precautions</b>   | Work in a well-ventilated place. Protective clothing, such as overalls, hand gloves and eye goggles, are recommended. |
| <b>Storage and Handling</b> | Store in a cool dry place.                                                                                            |

All the information given here are as per the results obtained in laboratory & are given in good faith to guide the user but without any warranty, the actual application results might vary depending on the conditions. We are not responsible for any loss, injury or damage resulting from the use of this information



**TARALAC®**

# TARA PAINTS & CHEMICALS

(An ISO 9001:2015 Certified Company)

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|                 |                                                                             |
|-----------------|-----------------------------------------------------------------------------|
| <b>Disposal</b> | Dispose of in landfilling.<br>Do not dispose in any drain or water channel. |
|-----------------|-----------------------------------------------------------------------------|

- The flexibility of producing bottles in clear glass and coating them with polyurethane as they are held in a jig.
- The capability of being coated in smaller production sizes of 1000 bottles, while conventional system of pigmenting requires large batch orders.
- Short curing periods
- Since Glass Coat is available in the primary colours – blue, green, red, black, violet and yellow, the shades are impermissible to produce infinite shade options.
- Excellent durability due to structural reinforcement of the substrate offered by PU technology
- The finish also effectively masks any inherent defects of the glass
- Excellent heat and chemical resistance
- Stringent testing by immersion in Isopropyl Alcohol, Methanol etc without any deviation.

| TESTS                                                            | RESULTS      |
|------------------------------------------------------------------|--------------|
| Adhesion by cross cut-IS 101                                     | Passes       |
| Gloss at 60°                                                     | 90-92        |
| <b>HEAT RESISTANCE TESTS</b>                                     |              |
| 100 degrees C for 4hrs                                           | Passes       |
| Intermittent heating from room temp to 70 degrees C for 3 months | Passes       |
| Pencil Hardness (ASTM 3363)                                      | Passes H     |
| Isopropyl Alcohol Immersion Test                                 | Passes 24hrs |
| 40% Alcohol Immersion Test                                       | Passes 24hrs |
| Perfume Wipe/Spray Test                                          | Passes 24hrs |
| Perfume immersion Test                                           | Passes       |
| Diethyl Phthalate Immersion Test (for 30mts)                     | Passes       |
| QUV Test                                                         | Passes       |
| <b>RUBBING TEST</b>                                              |              |
| IPA/10 Rubs                                                      | Passes       |
| Perfume 10 Rubs                                                  | Passes       |
| <b>BOILING TEST</b>                                              |              |
| IPA Boiling Test for 30 meter                                    | Passes       |