

1708 Pu Met Shades [sp] [4:1]

PU HS Paint & Clear coats are a two component Acrylic/Aliphatic polyurethane Paint which cures to a vary hard, flexible coating & gives outstanding colour retention & High Performance. This coating has exceptional resistance to Petrol, weathering and severe environment. It can be applied on all kinds of Metals, maintenance coating, Automotive OEM & Refinish in wide variety of atmospheric conditions. It provides a durable finish with far superior gloss, hardness & good Adhesion, hence it is also best suited for offshore structures, chemical and petrochemical plants, bridges, pulp and paper mills, and in the power industry.

PU 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

Surface Preparation	Surface to be coated should always be free of rust, dust, grease or oil. It should have profile of at least sa 2½ to which the paint can get adhesion. After achieving a profile of sa 2½ the primer should be applied within 2 hours. The surface should be made rough with the help of abrasive material or sand blasted to achieve the desired profile. System of coating should be selected depending on the type of substrate. Apply Primers, preferably PU primer or Epoxy primers as per requirement & atmospheric condition, smoothen the surface & then apply PU Paint
Weight per Liter at 30°C	Taralac PU Primer – Base 1.40 ± 0.2 kg Taralac PU Hi-Gloss Paint – Base 0.96 – 1.2 ± 0.2 kg
Mixing Ratio	4:1 by volume
Thinner	Taralac PU Thinner
Solids	Paint 55% - 60% (depending on shade)
Maturation Time	30 minutes
Pot-life	Approximately 2-4 hours at 30°C
Temperature Resistance	300 C dry heat
Salt Spray test 500 hrs	Passes as per IS 101
QUV Basic	Passes 1000 hrs
Method of Application	Airless Spray, Air Spray, Brush, Roller (For optimum performance, Taralac PU must be applied at a temp. between 20°C and 40°C and relative humidity below 75%.)
Spray Viscosity	15-20 sec on Ford Cup B4 at 30°C
Spray Pressure	30-40 p.s.i. (2.2-2.8 kg/cm ²)
No of Coats	Apply 2/3 coats of PU PRIMER and 1-2 coats of TOP COAT P.U.PAINT
Covering Capacity	8-10 sq mt/ltr/coat (Depending on method of application and film thickness.)
Drying Time at 30°C	Touch-dry 20 minutes Tack-free 2 hours Sanding-dry 5-6 hours Hard-dry overnight Complete Cure 72 hours
Sanding	Sand with emery paper no. 320 or 400 between application of successive primer and finish coats. Allow an inter-coat interval of 4 hours.
Thinner	Taralac PU Thinner
Re-coating Time	12 hours at 30°C Not to exceed 72 hours
Gloss 60° Gloss Head	Taralac PU Hi-gloss 85% minimum Taralac PU Matt 15-25 %



TARA PAINTS & CHEMICALS

(An ISO 9001:2015 Certified Company)

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Health and Safety Information

Flash Point	Non Flammable
Fire Hazard Class	Flammable
Health Hazard Class	Harmful as it contains volatile organic solvents. Avoid contact with skin and eyes.
Safety Precautions	Work in a well-ventilated place. Protective clothing, such as overalls, hand gloves and eye goggles, are recommended.
Storage and Handling	Store in a cool dry place.
Disposal	Dispose in land filling. Do not dispose in any drain or water channel.
Self life	6 Months from the date of manufacturing

Note:

Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with Thinner. Once units of Paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.

Surface temperature must always be a minimum of 3°C (5°F) above dew point.

Ensure adequate ventilation. Condensation occurring during or immediately after application may result in a matt finish and an inferior film.

Premature exposure to ponding water will cause colour change, especially in dark colours and at low temperatures.

