TARA PAINTS & CHEMICALS
(An ISO 9001:2015 Certified Company)

A - 423 / 14, Mahagujarat Industrial Estate, Sarkhej - Bavla Road, Lane Behind Satyam Arcade,
Village : Moraiya, Ahmedabad - 382 210, Gujarat (India)

Tel: (F): +91 8000011774, E-mail: taralac@hotmail.com , taralac@taralac.com Website: www.taralac.com

TARALAC®

0592 Pu Glass & Metal Coat Shades (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

Surface Preparation	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
Weight per Liter at 30°C	Taralac PU Glass & Metal Coat Clear – Base 0.96 + 0.02 kg Taralac PU Glass & Metal Coat Matt – Base 1.00 + 0.02 kg
Mixing Ratio	Taralac PU Base 80 parts by volume Taralac PU Hardener 20 parts by volume Taralac PU Thinner 15-30 parts by volume
Maturation Time	30 minutes
Pot-life	Approximately 1 hour at 30°C
Method of Application	The coating can be applied by both spray & Dipping process. Spray (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 1-2 coats of TOPCOAT P.U. Glass & Metal Coat PAINT directly on any surface.
Covering Capacity	5-7 sq mt/ltr/coat (Depending on the 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
Sanding	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.
Re-coating Time	4 hours at 30°C Not to exceed 72 hours
Gloss 60° Gloss Head	Taralac PU Glass & Metal Coat Clear 85% minimum Taralac PU Glass & Metal Coat Matt 15-25 %

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.

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Storage and Handling	Store in a cool dry place.

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Disposal	Dispose of in landfilling. 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
HEAT RESISTANCE TESTS	
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
Dioctyl Phthalate Immersion Test (for 30mts)	Passes
QUV Test	Passes
RUBBING TEST	
IPA/10 Rubs	Passes
Perfume 10 Rubs	Passes
BOILING TEST	
IPA Boiling Test for 30 meter	Passes