

Polyurethane Clear Varnish

5602

PRODUCT DESCRIPTION

A premium quality 2 pack polyurethane high gloss clear based on acrylic polyols and isocyanate resins. It provides excellent gloss, chemical and weather resistance to the substrate coats.

PRODUCT USE

For interior and exterior use.
Excellent resistance to atmospheric exposure.
Excellent water and chemical resistant.
Excellent color and gloss retention.
Resistant to splash and spillage of mild chemical and solvent.
Excellent non-yellowing .
Good abrasion and impact resistant.
Unsaponifiable and alkali resistant.
Easy to apply.

SUBSTRATES

Steel , metal and concrete surfaces.

CHARACTERISTICS

| | |
|---------------------------|---|
| Color | Clear |
| Finish | Smooth |
| Gloss | High-gloss |
| Density gm/cc | 0.98 +/- 0.02 |
| Volume Solids % | 35 % |
| Theoretical Coverage | 17.5 sq. mt./lt.at 20 micron DFT(depends upon the substrate conditions and nature of applications) |
| Mixing Ratio | 4:1 = Base : Hardner |
| Drying Time (S/D) | Approx 2 hours |
| Drying Time (H/D) | 6-8 hours |
| Washability | NA |
| Adhesion of Paint Film | Satisfactory |
| Flexibility of Paint Film | Satisfactory |
| Flash Point | 28 deg. cel. |
| Pot Life | 5-6 hours 30 deg.cel. |
| Overcoat Interval | 16 hours. |
| Shelf Life | 12 months from date of production. |

SURFACE PREPARATION & CONDITION

Should be stable , firm, dry and free from laitance,dust and loose flaking materials,loose old paints, dirt, grease, wax and any other contaminations.



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PAINT SYSTEM ADVICES

a) For New Substrates

New substrate must be dry , free from any loose materials, wax, grease and other contaminations. Smooth surfaces must be sanded properly before application of any pu system.

b) Old Substrates

Old paint must be removed by physical methods. After removal of old paint , the surface should be cleaned thoroughly.

Make the surface is dry before the application of pu clear coat.

APPLICATION DETAILS

Paint should be mixed thoroughly before the application.

Ensure proper ventilation during application and drying.

Substrate temperature should be above 4 deg.cel.

The temperature of the mixed paint should be above 15 deg.cel.

Too much solvent will result in lower sag resistance and slower curing.

Thinner should be added after proper mixing of base and hardner.

Use mask whiling application.

Close the drum properly and clean the equipments once the application is over.

APPLICATION GUIDELINE & INSTRUMENT FOR USE:

a) Brush, Roller & Others

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|---------------------|--------------|
| Volume of Thinner | 5-10% |
| Recommended Thinner | P.U. Thinner |

b) Air Spray

| | |
|---------------------|--------------|
| Volume of Thinner | 10-15% |
| Recommended Thinner | P.U. Thinner |

c) Airless Spray

| | |
|---------------------|--------------|
| Volume of Thinner | 0-10% |
| Recommended Thinner | P.U. Thinner |

d) Cleaning Solvent

P.U. Thinner