



## Polyurethane Flat White

**5652**

### PRODUCT DESCRIPTION

A premium quality 2 pack polyurethane flat paint based on acrylic polyols and isocyanate resins. It provides excellent chemical and weather resistance of 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.

### CHARACTERSTICS

|                           |   |
|---------------------------|---|
| Color                     | White or any requested colors.  |
| Finish                    | Smooth  |
| Gloss                     | Matt  |
| Density gm/cc             | 1.51 +/- 0.02   |
| Volume Solids %           | Approx. 47%   |
| Theoretical Coverage      | 11-12 sq. mt. / lt at 40 micron DFT(depends upon the substrate condition & method of application) |
| Mixing Ratio              | 6:1 = 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                  | 4-6 hours at 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 Sustrates

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. Previous coat of pu primer or midcoat must be applied within the overcoat interval and it should be free from any contaminations. If previous coat is exposed longer it should be roughened prior to the application of next coat.

#### b) Old Sustrates

Old paint must be removed by physical methods. After removal of old paint , the surface should be cleaned thoroughly. Make the surface dry before the application of pu flat coat.

### APPLICATION DETAILS

Paint should be mixed thoroughly before the application. Ensure proper ventillation 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 during application. Close the drum properly and clean the equipments once the application is over.

### APPLICATION GUIDELINE & INSTRUMENT FOR USE:

#### a) Brush, Roller & Others

|                     |             |
|---------------------|-------------|
| 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   | 0-15%        |
| Recommended Thinner | P.U. Thinner |

#### d) Cleaning Solvent

P.U. Thinner