

## ROSALEE GLASS COATING

### ➤ Composition

Acrylic modified, non-yellowing, aliphatic isocyanate based polyurethane two components coating available in customized shades and gloss levels with excellent adhesion on glass surfaces.

### ➤ Recommended Applications

There is a growing trend in the glass industry to apply organic coatings to glass articles. Glass coatings offer wide variety of decorative effects such as colors and surface textures, along with the high performance protection benefits. Coating of glass with colored organic materials has significant advantages as any colors are possible without the use of heavy metal salts which are toxic nature. In addition, there is no need to sort different colored glass materials while recycling since the organic material is simply burnt off, leaving only white glass. A further advantage is that designers have greater scope for using colours and patterns. Rosalee Glass Coating provide benefits as listed below

1. Excellent adhesion to glass.
2. Ability to modify surface appearance of glass objects i.e., glossy, matt, transparent, opaque, metallic, etc.
3. Easy decoration method i.e., various colored glass samples, acid etching for frosted appearance etc can be matched on the same production line.
4. Excellent resistance to chemicals like household cleaning solutions and industrial solvents.
5. Excellent abrasion and scratch resistance maintains the appearance of the glass.
6. Excellent weather stability

### ➤ Technical Data

- Colour : Clear, Metallic and pigmented shades as per requirements
- Finish : Ranges from glossy to dead matt
- Solids by volume :  $35 \pm 2\%$  depends upon shade and gloss Levels
- Theoretical spreading rate : Aprox. 10 sq. mtr/ltr@ DFT of 20 to 30 Microns on plain glass.
- Flash point : Above 22<sup>0</sup>C for Base & Hardener
- Drying characteristics : Surface Dry : 60 to 90 minutes
- (At 30<sup>0</sup>c & 65% relative humidity) Dry to Overcoat: 6-8 hours  
Hard Dry : 18-24 hours  
Full Cure : 7 Days
- Mixing Ratio (Base: Hardener) : 4: 1 by volume
- Application : By conventional Spray
- Thinner : Rosalee PU Thinner 099
- Self life : 6 Months for both the components in originally sealed containers.
- Pot life : 4-6 hours at 30<sup>0</sup>C

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### ➤ **Typical Application Systems and Equipments**

As the glass surface is highly smooth and non absorbent, there is not any primer required and painting job can be completed with finish paint only. The surface must be dry and free from dust and other contaminants. It is recommended to clean the surface with solvent and cleaning with cotton before painting. Dust free painting booths are recommended for glass painting.

### ➤ **Note**

PU hardener is very sensitive to moisture. Keep the containers tightly closed, each time after use. Normal thinners can ruin the PU finish. Use only Rosalee Thinner 099.

### ➤ **Surface Preparation**

Not any special surface preparations are required except the cleanliness of the surface is must before painting.

### ➤ **Health and Safety**

Polyurethane paints contains free organic isocyanate compound. Mixing and handling of this product must be carried out with taking proper safety measures to avoid skin contacts, eye contacts, and inhalation of solvent vapours and mist of the paint spray. The painting must be carried out in a well ventilated spray booths fitted with proper exhaust systems. If painting is to be done on site, care must be taken that along with the spray painter; other people in the nearby area are also protected in the same manner as the painter. Polyurethane paints if swallowed immediately contact a Doctor.

### ➤ **Disclaimer**

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