



## REPLAKRYL-947

### TECHNICAL DATA SHEET

**R-947** is a high solid low viscosity acrylic polyol used for industrial coating. It can also be used as primer for auto refinish. R-947 can also be used in stoving application with melamine formaldehyde.

#### SALIENT FEATURES OF THIS ACRYLIC RESIN ARE

Excellent Color  
Excellent gloss and D.O.I.  
Excellent gloss retention  
Excellent mechanical and chemical resistance  
Good water resistance  
Good UV resistance  
Good corrosion resistance

#### GENERAL CHARACTERISTICS

**Form of supply**

Xylene

**Color on Scale**

1 Max.

**Clarity**

Clear

**Viscosity of 70% at 25°C. on 'G'Scale**

46-98. 5 Ps

**%Non Volatiles at 150°C./30mts.**

70 ± 2 %

**Hydroxyl Value**

60 -70 mg KOH/gm

**Acid Value (mg, KOH/gm)**

10 Max.

#### STORAGE

At temperatures up to 25°C storage stability packed in original containers amounts up to 12 months  
Upon long term exposure to temperatures below 10°C, **R-947** may get cloudy and may show some crystallization.

#### SOLUBILITY

**R-947** is soluble in aromatic hydrocarbons, esters and ketones. The resin has limited solubility in aliphatic hydrocarbons and alcohols.

#### COMPATIBILITY

**R-947** compatible with variety of film formers viz cellulose ester, vinyl resin, resin, and CAB.

#### RECOMMENDATIONS FOR USE

**R-947** is recommended for clear or pigmented coatings for following application.

- Metal, Copper and Aluminium Substrate etc
- Metalizing over lacquers
- Automotive topcoat
- For good exterior durability
- U. V. protection and scratch resistance for polycarbonate glazing