

REPLAKRYL-954

TECHNICAL DATA SHEET

R-954 High solids & High Hydroxyl acrylic polyol used for topcoat and pigmented coat for auto refinish, OEM & industrial coating application with Superior Gloss, Excellent hardness and weathering properties & Longer Pot Life.

Fast drying & hardness development for 2K finishes for Refinish, Industrial, OEM as well as wood. Can be used as primer, clear & topcoats.

PRODUCT DETAILS

Appearance : Clear Viscous	Viscosity such as @25°C : Z2-Z4 on Gardner
Colour on Gardner Scale : 1 Max	Solvent : Xylene , Butyl Acetate , Cellosolve acetate
Form of Supply : 70% Butyl Acetate & Xylene	Hydroxyl Value : 120-140
Non Volatiles : 70 ± 2 % (150 ° C / 30 Min.)	
Acid Value : 12 Max (mgs. KOH/gm)	

CURING WITH POLY-ISOCYANATES

Based on 100 % conversion of reactive groups , following equation can be used to calculate the quantity of polyisocyanate needed for crosslinking 100 parts **R-954** (on solids):

$$\text{Poly-isocyanate (FOD)} = \frac{42 \times 100 \times \text{OH \% (solid basis)}}{17 \times \text{NCO (FOD)}}$$

42 = molecular weight of the NCO-group
17 = molecular weight of the OH-group

100 parts by weight of Replakryl-954 : 40 parts by weight
Desmodur N 75 / Replacure-171

SOLUBILITY

R-954 is soluble in aromatic hydrocarbons, esters and ketones. The resin has limited solubility in aliphatic hydrocarbons and alcohols.

COMPATIBILITY

R-954 is compatible with variety of film formers viz cellulose ester, CAB, vinyl resin.

APPLICATIONS

R-954 is used where Good exterior durability required, UV Protection & scratch resistance, for used in metal coating as as top coat & clear coat.

CATALYST

To increase the initial rate of cure of **R-954** based paints, at both ambient temperature and under low bake conditions, the use of tin catalyst in the form of dibutyl tin dilaurate is strongly recommended.