RESINS & PLASTICS LTD.

# REPLAKRYL-959

TECHNICAL DATA SHEET

## CURING WITH POLYISOCYNATE :

Based on 100 % conversion of reactive groups the following equation can be used to calculate the quantity of polyisocyanate needed for crosslinking 100 parts **R-959** (on solids):

$$\text{PHR of Isocynate} == \frac{42 \times 100 \times OH\ \%\ (\text{solid basis})}{17 \times NCO\ \%\ (\text{solid basis})}$$

42 = molecular weight of the NCO-group

17 = molecular weight of the OH-group

100 parts by weight of **R-959** need the following amount of polyisocyanate:

Desmodur N 75 / Replacure-171 : 20 parts by weight Higher gloss. …. Min 95 at 60 °specular

## PIGMENTATION :

**R-959** has good pigment wetting properties. Inert pigments and extenders are suitable for pigmentation. Care should be taken that the material selected is free of water.

## THINNERS :

Suitable diluents are butyl acetate, methyl isobutyl ketone, 2-methoxypropyl acetate, aromatic hydrocarbons like xylene and mixtures of these solvents. Anhydrous solvents as well as solvents free of hydroxyl functional groups should be used in the presence of isocyanates.

## RECOMMENDATIONS FOR USE

**R-959** is recommended for clear or pigmented coatings for following application.

- Metal Coating …Primer , Clear & Top-coat
- Metallizing over lacquers.
- Aircraft interior coatings.
- For good exterior durability
- U. V. protection and scratch resistance coatings

## GENERAL CHARACTERISTICS:

Color on G scale – 1 Max.
Clarity Clear.
Viscosity at 25°C on G scale(As such)
46.3 – 98.5 PS
Non – volatile @ 150°C for 30 min – 70±2
Acid value – 12 Max
Hydroxyl value – 65-75
Finish on Hegmann guage – 7 - 8