



HANACRYL HR-1557

(Hydroxyl Functional Acryl Polyol)

TECHNICAL DATASHEET

DESCRIPTION

HANACRYL HR-1557 is an acrylic polyol that is designed for use with aliphatic polyisocyanates in two-component coatings. These systems cure at ambient temperature providing glossy, hard, durable coatings with excellent gloss retention.

APPLICATIONS

- General metal coating applications
- Automotive OEM and Refinish applications
- Plastic component coating applications

FEATURES

- Excellent gloss and DOI
- Excellent application properties
- Good exterior durability and gloss retention
- Excellent resistance properties

TYPICAL PROPERTIES

| | |
|---------------------|--------------------------------------------|
| Appearance | Clear liquid |
| Viscosity (Gardner) | Z ₁ ~Z ₃ |
| Solids | 63~65 wt% |
| OH value | 115 mg KOH/g |
| Acid value | 8~15 mg KOH/g |
| Tg | 75°C |
| Color (Gardner) | Max. 1 |
| Density | 1.00 |
| Solvent | Heavy aromatics Butyl acetate Xylene |

HOW TO USE

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

$$\text{Polyisocyanate} = \frac{42 \times 100 \times \text{OH\% (solid resin)}}{17 \times \text{NCO\% (f.o.d.)}}$$

42 = molecular weight of the NCO-group

17 = molecular weight of the OH-group

- Anhydrous solvents as well as solvents free of hydroxyl functional groups should be used in the presence of polyisocyanates, as dilution solvents.

USABLE LIFE AND STORAGE

- When stored between 5 and 35°C in the original unopened containers, HR-1557 has a usable life of 12 months from the date of production.
- Storage should be under cover, out of direct sunlight and avoiding extreme temperature changes.

HANDLING PRECAUTIONS

- Product safety information required for safe use is not included in this document.
- Before handling, read product and material safety data sheet and container labels for safe use, physical and health hazard information.

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