



## TECHNICAL DATASHEET

# HANACRYL HR-1001D

(Thermoplastic Acrylic Resin)

### DESCRIPTION

**HANACRYL HR-1001D** is suited for general purpose applications due to its balance of hardness, flexibility, adhesion to various substrates.

Particularly, **HANACRYL HR-1001D** has excellent thermal stability at high temperatures and has less yellowing, so it is specialized in PVDF coatings for steel coil, aluminum sash frame

### USABLE LIFE AND STORAGE

- When stored between 5 and 35°C in the original unopened containers, HR-1001D 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.

### APPLICATIONS

- Architecture coating
- PVDF coatings for steel coil
- PVDF coatings for aluminum sash frame

### PACKING

- 190kg Steel drum
- 950kg IBC Tote

### FEATURES

- Excellent mechanical properties
- Excellent thermal stability
- Good solvent resistance
- Excellent weather resistance

### 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.

### TYPICAL PROPERTIES

Appearance	Clear liquid
Viscosity (Gardner)	Y ~ Z1
Non-volatile(%)	49 ~ 51
Color (Gardner)	Max. 1
Solvent	Xylene

### HEAT YELLOWING RESISTANCE TEST

- Formulation
 

Resin(solution)	87.5
TiO <sub>2</sub>	15
PMA	10

 Disperse for 40 minutes and spill coating
- Test result
 

Baking condition	Color difference (ΔE)
245°C × 15mins	1.3
260°C × 10mins	1.6