



Achieve the innovative value of paint

## JIAZHI® Easy-cleaning functional resin

### Model number

JIAZHI®JZ-9540-10

### Specification

Composition	Silicon modified hydroxyl acrylic resin solution
Appearance	Slight yellowish to yellowish liquid
Solvent	BAC/ PMA
Content	50±3%(140℃ 2h)
Viscosity	100-1000mPa·s (Rotating viscometer)(25±0.2)℃
Hydroxyl value	127±5 mg KOH/g (Theoretical value of solid resin)

Note: This data sheet is intended to give typical results, not standard. Subject to COA.

### Application system

Solvent-based

### Properties

- Increase slip. Improve hydrophobicity and oleophobicity.
- Provide anti-marker wiping performance.
- Provide lotus effect.
- Excellent flexibility and self-repairing function.
- Water contact angle >100°
- Excellent weather resistance.

### Storage stability

Keep intact 36 months in original package. Products beyond the storage period may continue to be used after inspection. The container must be closed immediately after use.

### Recommended formula

#### 1. Suggestion for PU varnish formulation

	Material	Dosage%
Part A	JZ-9540-10	76.00
	PMA	22.75
	Dryer(1%)	1.0
	WE-D8920BR(leveling agent)	0.25
	Total	100
Part B	N3390	19.4

Note:

- 1.NCO% of N3390=19.6, produced by Covestro, Germany.
- 2.The mixed part A and B should be used up within 5-7 hours in a sealed container. Otherwise, the mixed material will be gelled.
- 3.Suggest dry it at 110-130℃ for 2-3min. for automotive protective film, ripening at 60-80℃ more than 24h. Dry it at 80℃ for 1h, or 150℃ for 5h for other industrial coatings.
- 4.Note : Concerning PPF, the advantages and disadvantages of fouling resistance and aging resistance depend on whether the coating is fully cross-linked; it is an effective method to put the surface treated film into the ripening box. It takes at least 24 hours during ripening, and the effect is better if it can reach more than 48 hours.

### Package

25KG / 180KG



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## Application suggestion for paint protective film

item	TPH film base	TPU film base
fouling-resistance from dry wiping	a little residue	a little residue
fouling-resistance from alcohol wiping	a little slight residue	a little slight residue
hydrophobicity	water contact angle > 100°	water contact angle > 100°
flexibility	elongation > 80%	elongation > 60%
recovery	hot healing	hot healing
chemical resistance (Carburetor-resistance cleaner)	No changes in 30s	No loss of gloss in 30s
weather resistance	aging test of QUVB 1000h	aging test of QUVB 1000h

### Instructions:

1. Baking conditions :110-130℃ 3min

Maturation conditions: 80 °C 48h

Coating thickness: TPH base 8-10 μ m    TPU base 15-20 μ m

In view of the variability of substrate, film thickness, baking and aging conditions, the data provided in this table are for reference only.

2. Oil pen is used for pollution resistance test. The test method is to write on the film and place the film at room temperature for 3 min

3. The brand of carburetor cleaner used in chemical resistance test is Bontny.