



Eco-Friendly

**ANTI-FORGGONG**

Non-Toxic

**SINOGRACE**

The Chemical Company

## UV Anti-fogging coating

### PF-411

#### PRODUCT DESCRIPTION

PF-411 is a colourless polymer functional material liquid. The main component of this product is UV hydrophilic resin, which has good adhesion on PC plastic board and excellent fog resistance. It has no stimulation to human body, strong adaptability and excellent construction performance.

#### FEATURES

- Strong fog resistance
- Good adhesion

#### QUALIFICATION

<b>Appearance</b>	Transparent liquid
<b>Density (g/cm<sup>2</sup>)</b>	0.8-1.0
<b>Coating thickness (μm)</b>	5-8
<b>Leveling temperature/time (°C)</b>	60°C
<b>UV Curing Energy (J/cm<sup>2</sup>)</b>	480-550

#### APPLICATION

- PC sheets

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## DETECTION METHODS AND PERFORMANCE INDICATORS

Testing items	Test method	Result
<b>Initial droplet angle</b>	<b>3-5 ml water, tested in 10 seconds</b>	<b>&lt; 10 degrees Scratch free No fogging No fogging</b>
<b>Dry film adhesion</b>	<b>Berg test</b>	<b>&gt;4B</b>
<b>Wet film adhesion</b>	<b>80 degrees steam fumigated nail scratch</b>	<b>Scratch free</b>
<b>Steam test</b>	<b>Place for 5 seconds at 10 cm above 80 C water vapor</b>	<b>No fogging</b>
<b>Steam test</b>	<b>Place it 10 cm above 80 C steam for 10 minutes, dry naturally, observe the appearance, and then do anti-fogging test.</b>	<b>No fogging</b>

## HOW TO USE

- Before cleaning: wipe the PC board with absolute ethanol.
- Spraying process: The sample can be uniformly sprayed on the sample plate with a disposable dropper, then placed vertically, and baked in a 60 degree oven for 3 minutes.
- Curing process: UV curing, energy between 480-550 J/cm\*cm.

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