



NON-STICK COATING



SINOGRACE

The Chemical Company

PEEK Coating

DESCRIPTION

This PEEK coating is a water-based composite high-temperature non-stick coating blended with PTFE and Polyetheretherketone (PEEK). It consists of a complete three-layer system: primer, intermediate coat and topcoat, suitable for spraying on cookware substrates including aluminum, iron and stainless steel. It combines the superior wear resistance, high temperature stability and mechanical strength of aerospace-grade PEEK with the ultra-low friction non-stick performance of PTFE. It solves common defects of pure PTFE coatings such as easy scratching, aging under high heat and short service life, and serves as high-performance coating for high-end frying pans, baking trays and molds, fully complying with food contact safety regulations.

KEY FEATURES

- Eco-friendly
- Excellent heat resistant
- Excellent chemical resistance and abrasive resistance
- Excellent and lasting non-stick performance, easy to clean

TYPICAL PROPERTIES

Appearance	Black liquid (Primer and top)
Curing temperature (°C)	380-420
Gloss (60° glossimeter)	10-20
Film thickness (μm)	80-120
Non-stick performance	>10 cycles
Fry eggs at 170±10°C	
Corrosion resistance	No blister
Boling 10% salt water for 24 hours	
Abrasion resistance 3KG/21cm²	>50,000 cycles
Hardness (ZHONGHUA pencil)	>2H

APPLICATION

- Aluminum, die-cast aluminum, alloy and stainless steel
- Frying pan, stock pot, baking tray, electric fry pan and inner pot of electric cooker etc.

STORAGE AND HANDLING

- Available in 20 kg/ barrel or 30 kg/ barrel
- Store products in tightly closed original containers at 5-35°C
- Shelf life: 6-9 months from delivery date
- According to non-dangerous goods transport

Anhui Sinograce Chemical Co., Ltd.

Tel: +86-0551-63459511

Email: sales@sinogracechem.com

Add.: Hefei city, Anhui province, China

Mob: +86 17756043696

Web: www.sinogracechem.com



Eco-Friendly



Non-Toxic

NON-STICK COATING**SINOGRACE**

The Chemical Company

1. Pre-Construction Preparation

(1) Mixing & Dispersion

Mix thoroughly with a drum mixer for at least 20 minutes. Or use a low-speed paddle mixer for dispersion at 50–300 RPM.

High-speed mixing and long-time mixing are strictly prohibited to prevent coating foaming, demulsification and gelation.

(2) Filtration & Viscosity Adjustment

Coating Layer	Filter Mesh Size (mesh)	Application Viscosity (Iwata No.2 Cup, 25°C / sec)
Primer	150	15–18
Intermediate Coat	100	30–40
Topcoat	100	15–25

HOW TO USE

Note: Adjust viscosity with purified water according to ambient temperature, spray gun nozzle size and workpiece size to obtain optimal spraying performance.

2. Spraying Operation

(1) Applicable Spraying Equipment: Manual air spray guns and automatic assembly line air spraying systems. (2) Spray Gun Parameters: Recommended nozzle diameter 1.0–1.5 mm, spraying air pressure 3–4 bar. Drain the air compressor regularly to avoid coating defects.

3. Curing Conditions

Flash-off (Pre-drying): 150–180°C, 5–8 minutes

High-temperature Curing: 380–400°C, 8–10 minutes

Anhui Sinograce Chemical Co., Ltd.**Tel: +86-0551-63459511****Email: sales@sinogracechem.com****Add.: Hefei city, Anhui province, China****Mob: +86 17756043696****Web: www.sinogracechem.com**