



Eco-Friendly

**NON-STICK COATING**

Non-Toxic

**SINOGRACE**

The Chemical Company

## Non-stick Coatings

### S-200 Silicone resin non-stick coating

#### DESCRIPTION

S-200 is particularly designed for baking operation, and features extraordinarily glossy surface, outstanding stain resistance, non-stick performance and superior scratch resistance. The surface is easy to clean after baking operation. It has a very good operability, it is workable at 200°C, can be widely applied on the inside coating of iron bakeware.

#### TYPE

Solvent based silicone resin

#### KEY

- High-gloss
- Excellent heat resistant

#### FEATURES

- Excellent chemical resistance and abrasive resistance
- Excellent and lasting non-stick performance, easy to clean

#### TYPICAL

#### PROPERTIES

<b>Appearance</b>	Yellowish clear liquid
<b>Solid content (%)</b>	35±1
<b>Viscosity (cp)</b>	400~800
<b>Density (g/ml)</b>	1.10
<b>pH</b>	8-10
<b>Color of the film surface</b>	Black with metallic (Flat and smooth)
<b>Curing temperature (°C)</b>	280-300
<b>Gloss (60 ° glossimeter)</b>	10-20
<b>Film thickness (µm)</b>	15-20
<b>Non-stick performance</b>	>5 cycles
<b>Fry eggs at 170±10°C</b>	
<b>Corrosion resistance</b>	No blister
<b>Boling 3% HAc for 1 hours</b>	
<b>Abrasion resistance 3KG/21cm<sup>2</sup></b>	>5000 cycles
<b>Hardness (ZHONGHUA pencil)</b>	3H-5H

#### APPLICATION

- Bakeware made of aluminum, stainless and carbon steel

#### STORAGE

#### AND

#### HANDLING

- Available in 20 kg/ barrel or 30 kg/ barrel
- Store products in tightly closed original containers at 5-40°C
- Shelf life: 9 months from delivery date
- According to non-dangerous goods transport

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## HOW TO USE

### 1. Requirement on pre-treatment

- Firstly, apply high-temperature degreasing, then wash with 1%~3% NaOH solution (60°C) for more than 6 minutes. Then dry it after water rinsing;

### 2. Preparation of the coating

- Dispersion of coating: the coating must be fully dispersed before operation by stirring;
- Viscosity adjustment: the viscosity could be adjusted according to different spray methods. Dilute with special thinner if the viscosity is over high;
- Coating filtration: filtrate the coating with screen (200-400 mesh) before using.

### 3. Application

- The spraying environment should be dry, well-ventilated, no smoking and fire;
- Use electrostatic spraying and dry out the workpieces at 100-150°C;
- Adjust atomization and oil pump capacity of spray gun. Make sure the unit is clean and level. Keep the thickness within 15μm-20μm;
- Dry the workpieces at 280°C for 5-10min.

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