



Eco-Friendly

NON-STICK COATING

Non-Toxic

SINOGRACE

The Chemical Company

Silicone Coatings

S-202 Silicone Marble-Coating

DESCRIPTION

As temperature resistance decorative non-stick coating, it could be used on outside of aluminum non-stick cookware. Please do complete applicability test for specific use

TYPE

Silicone coating

KEY FEATURES

- Eco-friendly and PFOA free
- Showing the effect of natural marble
- Easy application process, with bright color
- It's workable at 200°C, good chemical resistance

TYPICAL PROPERTIES

| | |
|-----------------------------------|---|
| Product model | S-202A (Primer) S-202B (Dot-1) S-202C (Dot-2) |
| Recommended dosage | 10kg primer 0.5kg Dot-1: 0.5kg Dot-2 |
| Appearance | Light brown (Primer) Light yellow (Dot-1) Black (Dot-2) |
| Solid content (%) | 45±1 (Primer) 40±1 (Dot-1) 39±1 (Dot-2) |
| Viscosity (cp) | 30~50 (Primer) 10~16 (Dot-1) 10~16 (Dot-2) |
| Density (g/ml) | 1.20±0.20 (Primer) 1.25±0.20 (Dot-1) 1.25±0.20 (Dot-2) |
| pH | 8~11 (Primer) 8~11 (Dot-1) 8~11 (Dot-2) |
| Gloss (60° glossimeter) | 45-55 |
| Film thickness (μm) | 15-25 |
| Hardness (ZHONGHUA pencil) | >3H |
| Adhesion (1mm*1mm) | Grade 1 |

APPLICATION

- Outside of tensile aluminum and die-casting fry pan, wok, soup pot, etc.

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**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: 12 months from delivery date
- According to non-dangerous goods transport

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, dry it after water rinsing.
- Blast with 80#~120# corundum to make the surface roughness reach 2.0μ~3.0μ, pay attention to sandblast evenly;
- Wash with 1%~3% NaOH solution(60 °C) for more than 6 minutes, rinse with water.
- Wash with 1%~3% hydrochloric acid solution (60 °C) for more than 6 minutes, rinse with water and dry.

2. Preparation of the coating

- Dispersion of coating: the coating must be fully dispersed before operation. Rolling the coating at the speed of 300rpm with rolling machine for 10mins at least.
- Coating filtration: filtrate the coating with screen (100mesh) before using.

3. Application

- The spraying environment should be dry, well-ventilated, no smoking and fire. We suggest using dedicated spray gun, elevated tank and curing oven.
- The air compressor should be degreased, dewatered and equipped with water oil separator before using.
- Adjust atomization and oil pump capacity of the spraying gun; make sure the unit is clean and flat.
- Leveling the coating at 150~180 °C after spraying, cure it at 280 °C × 10min. Keep the dry film thickness at the range of 15μm~25μm.
- In spraying process, keep stirring inside of the elevated tank, the size of spraying nozzle should be between 0.8mm~1.3mm, the pressure is about 3.5bar.

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