



Eco-Friendly

**NANO COATINGS**

Non-Toxic

**SINOGRACE**

The Chemical Company

## Nano Coatings

### PF-206 Water and oil-repellent coating concentrate

#### DESCRIPTION

PF-206 is an aqueous emulsion and containing no flammable solvents, the new C6-fluorocarbon shows full performance regarding water, soil and oil repellency after drying. Suitable for all fiber types, laminates, leather and hard surfaces.

#### TYPE

Textile self-cleaning nano coating

#### KEY

#### FEATURES

- Easy-to-clean effects
- Free of PFOA and PFOS
- Fabric color and handle are not affected
- Outstanding and durable oil, soil and water repellency
- No silicone-based and metalorganic compounds contained
- Resistant to washing and dry cleaning when combined with crosslinker
- Suitable for all fiber types, laminates, leather and textile surfaces

#### TYPICAL

#### PROPERTIES

<b>Appearance</b>	milky liquid
<b>Solid content (%)</b>	20
<b>pH (50% in water)</b>	3.0-5.0
<b>Density (g/cm<sup>3</sup> at 20°C)</b>	1.07±0.03
<b>Viscosity (mPa s at 20°C)</b>	30-150mPa s at 20°C
<b>Dilute ratio</b>	1:10

#### APPLICATION

- Fabric, Textile, Cotton, Wool, Polyester fabric, Suede/leather corduroy etc.

##### Home application

- Clean the textile products (clothes, shoes etc)
- Dry it under room temperature
- Dilute the PF-206 by mixing with water (1 part PF-206 to 10~12 parts water)
- Spray the diluted solution on the textile products or dipping it into solution
- Dry it under high temperature (>100°C) for 10-15min by using dryer, household electric iron, blower and laundry drier etc.

##### Industrial application

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### The preparation of solution

- Firstly, add the quantitative PF-206 into a container, and then the quantitative water is added into. Finally, stir the solution at a low speed until uniformity.
- While using it with crosslinking agent, penetrating agent, crease resistant resin and other additives together, all of these additives should be separately diluted and avoid additives raw solution mixing.

### The recommended dosage

- Polyester fabric: 10~25 g/L
- Nylon fabric: 10~ 25g/L
- Polyester or cotton fabric: 15~40 g/L

### The application method

- Pad-roll
- Predrying temperature: 100~120°C
- Dry: Recommended 150-170 °C by the stenter setting machine for 60 seconds.

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### STORAGE

### AND

### HANDLING

- Available in 5L/barrel or 25L/barrel
- Store products in tightly closed original containers at 5-35°C
- Shelf life: 12-15 months from delivery date
- According to non-dangerous goods transport

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