

## Nano Coatings

### PF-202 Water based water and oil-repellent coating

#### DESCRIPTION

PF-202 an aqueous emulsion and containing no flammable solvents, the new C6-fluorocarbon shows full performance regarding water, soil and oil repellency after drying at ambient temperature. 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
- Washing and cleaning agent resistance up to 15~20 washes
- Suitable for all fiber types, laminates, leather and hard surfaces
- Full performance level after drying at room temperature, no heat treatment required

#### TYPICAL

#### PROPERTIES

<b>Appearance</b>	Yellowish milky liquid
<b>pH (50% in water)</b>	3.0-5.0
<b>Density (g/cm<sup>3</sup> at 20°C)</b>	1.05±0.03
<b>Viscosity (mPa s at 20°C)</b>	5-30
<b>Dry time (h)</b>	24
<b>Consumption (ml/m<sup>2</sup>)</b>	30-300 (depending on the substrate)

#### APPLICATION

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

**Surface Preparation:** Textile must be completely free of all contaminants including detergents and fabric softeners. To rid of contaminants, use hot water on a spin cycle. Textile must be completely dry before coating.

**Application:** Completely saturate fabric by spray or dip application.

**Cure Time:** About 24 hours. Cure can be accelerated with heat up to 150°C.

**Up to 20 washes:** You have to add crosslinker and cure it under 150°C more than 5 mins.



Eco-Friendly

# NANO COATINGS



Non-Toxic

# SINOGRACE

The Chemical Company

**Note:** Tested up to 20 washes in ideal laboratory conditions. Recommended care is washing in hot water with no detergents or fabric softeners to keep the hydrophobic effect. If a detergent has been used, it is important to rinse fabric with hot water to restore performance of coating.

## STORAGE

## AND

## HANDLING

- Available in 5L/barrel or 25L/barrel
- Store products in tightly closed original containers at 5-35°C
- Shelf life: 18-24 months from delivery date
- According to non-dangerous goods transport



### Eco-Friendly

Water-based & Solvent-free



### Saves Water

Reduce Wash Cycles



### Does not alter appearance

125 nanometers thick = more than 800 times thinner than a human hair



### Super-Hydrophobic

Water contact angles exceed 150° with roll-off angle hysteresis is less than 10°



### Stays Clean

Stain Blocker



### Breathable

Does not trap odor or moisture



### Reduces Odor

Reduces odor emitted from moist surfaces



### Non-Toxic

Chemically inert & bio-compatible

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