



**TO COUNTER GLOBAL WARMING
WITH TECHNOLOGY**

**TO COOL THE EARTH AND
SAVE ENERGY FOR ALL**



FOSHAN 3U TECHNOLOGY CO.,LTD



THE BIGGEST CHALLENGE TO ENERGY BILLS



FOSHAN 3U TECHNOLOGY CO.,LTD

Non-Electric Self-Cooling Coating

— 3URC-1 —

Reflective Insulation

Solar reflectivity up to **95%**,
Mid-infrared emissivity up to **95%**.

Energy Savings

Lowers temperatures, **cutting** AC
energy consumption use by **40%**.

>40%

Cut AC consumption
by 40%

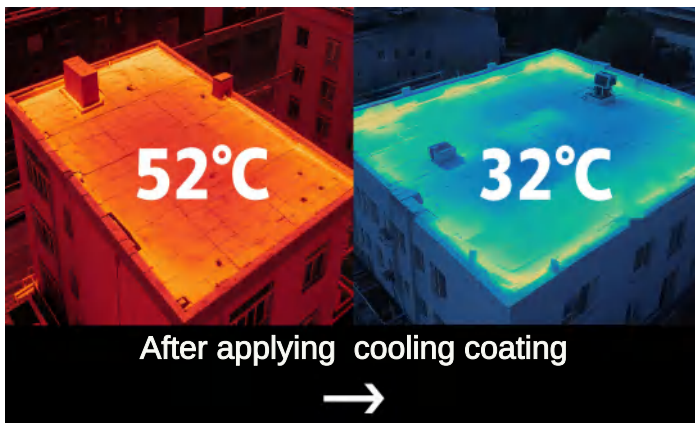
High Thermal Emittance

Radiates heat away, preventing
buildup on the building envelope.

10-Year Durability

Protects against UV and weather
for lasting performance.

Products Features



- ① Highly reflects sunlight and infrared radiation
- ② Rapidly emits absorbed heat back into the atmosphere
- ③ Reduces surface temperature by 20-30°C, enhancing indoor comfort
- ④ Eco-friendly solution to mitigate urban heat island effect

Curing Method

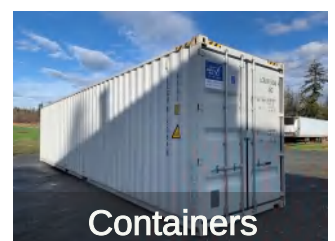
Drying Time: 30-60 minutes

Easily applied using brush, spray, or roller, with a quick drying time of 30-60 minutes to form a protective surface film.

Practical Time: 24 hours

Fully cures to achieve optimal mechanical properties and reflectivity within 24 hours. Suitable for various substrates including metal, ceramics, plastics, glass, and construction materials.

Application Environment



Nano Easy to Clean Coating For Fabric

— NCF-1 —

Stain & Spill Repellency

Creates an invisible barrier, beading liquids for easy cleaning.

Oil & Water Resistance

Repels water and oil stains, keeping fabrics cleaner longer.

>99%

Liquid Repellency

Exceptional Durability

Maintains >150° contact angle after 30 washes, 3,500 abrasions.

Breathability & Softness

Nano treatment preserves fabric's hand feel and breathability.

Product Features



- ① Excellent repellency against water, oil, and common stains
- ② Does not change the texture, color, or breathability of fabrics
- ③ Makes dirt and spills easy to remove, reducing cleaning frequency and effort
- ④ Durable protection that withstands 30 washes and 3,500 abrasion cycles

Curing Method

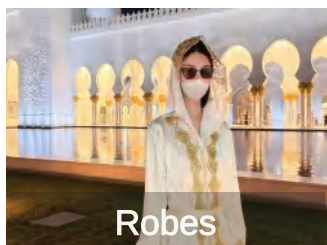
Drying Time: 10 minutes

Spray evenly from a distance of 15-20 cm from the fabric surface, the coating surface can quickly dry within 10 minutes.

Practical Time: 12 hours

Allow full curing for 12 hours to ensure the protective layer is firmly anchored to fibers. Suitable for various textile materials (carpets, upholstery, automotive interiors, garments, etc.).

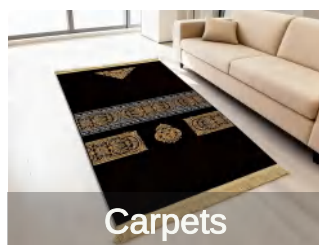
Application Environment



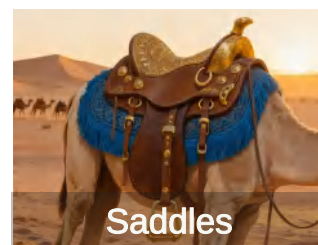
Robes



Sofa



Carpets



Saddles

Nano Hydrophobic Coating

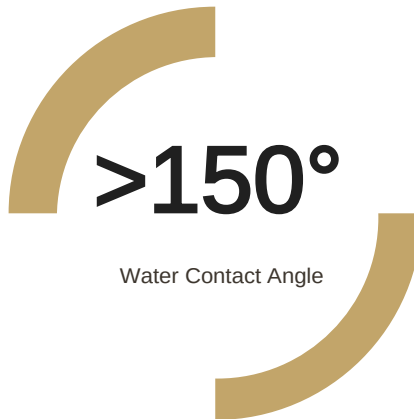
— NCG-2W —

Self-cleaning & Anti-fouling

Creates "Lotus Effect" surface where water rolls off, carrying away dirt.

Enhanced Durability

Offers superior resistance to UV and abrasion for lasting protection.



Excellent Anti-Penetration

Blocks water, oils, and contaminants from porous materials.

Stain & Graffiti Resistance

Enables effortless removal of scribbles, paint, and mud.

Products Features



- ① Extreme water repellency, achieving self-cleaning effect
- ② Protects substrates from water damage and stains
- ③ Provides a sleek, clean appearance with an invisible protective layer
- ④ Resists UV aging and abrasion for long service life

Curing Method

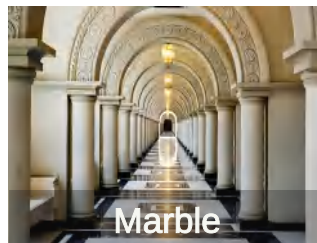
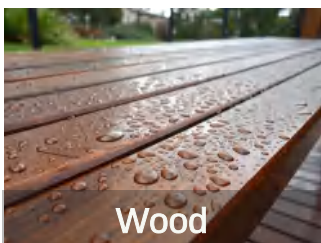
Drying Time: 10-30 minutes

Thoroughly clean the substrate surface to ensure it is clean, dry, dust-free, and oil-free. Apply evenly by brushing or spraying.

Practical Time: 2 hours

For full mechanical strength and durability, allow complete curing for 2 hours.

Application Environment



Hydrophilic Coating For Solar Panel

— NCG-1 —

Low surface energy

Low surface energy resists pollutant adhesion like carbonates.

Highly corrosion resistance

Resists corrosion, ensuring stable performance in harsh environments.

Easy to clean

Prevents silicate and rust adhesion, easing solar panel maintenance.

Stable and durable

Bonds to glass, ensuring lasting protection with anti-aging.

>10%

Comprehensive increase
in power generation

Product Features



- ① Low surface energy, effectively preventing pollutant adhesion
- ② Easy to clean, heavy pollutants such as carbonates, silicates, and rust are not easily deposited and adhered
- ③ Corrosion caused by acid, alkali and other chemicals
- ④ Long term protection, good adhesion to glass substrate, and excellent aging resistance

Curing Method

Drying Time: 10-30 minutes

In clear weather, the coating surface can quickly dry within 10-30minutes, forming a preliminary protective film that effectively resists short-term wind and rain interference.

Practical Time: 24 hours

At room temperature ($25^{\circ}\text{C} \pm 5^{\circ}\text{C}$), the coating can be completely cured within 24 hours, ensuring that it does not peel of or crack during long-term use.

Application Environment



This product is designed specifically for high pollution industrial environments (① dense heavy pollutants ② highly corrosive media ③ extreme weather conditions), with core adaptation scenarios including photovoltaic power plants in the vicinity of steel plants, cement plants, electrolytic aluminum plants, chemical plants, etc.

Cleaning Drone

Efficient & Safe

Replaces high-altitude manual work

Intelligent & Precise

AI vision recognition and precise control



Multi-Scene Application

Modular design for diverse needs

Energy-Saving

70% water reduction vs traditional methods



Aerial Cleaning Drone 3U-60Q

60kg payload capacity, 200m cleaning altitude. Modular design supports two cleaning payloads with fixed/swinging spray heads and 4-angle nozzles for high-pressure precision cleaning. Ideal for building facades, PV panels, and towers, delivering efficient multi-scene aerial cleaning solutions.

Photovoltaic Cleaning Drone 3U-60QG

Equipped with 50L large-capacity water payload and high-pressure spray system, supporting multi-nozzle parallel and dual-nozzle swing cleaning. Designed for large ground power stations, commercial/industrial rooftops, and residential PV systems.



Agricultural Drone 3U-A16

With 16KG payload and dual-pump 6L/min flow rate, covers 150-200 mu/hour at 8-10m spraying width. Supports 1500m remote control for farm irrigation, pesticide spraying, and fertilization.

Global Construction Services



We provide professional global on-site construction services. No matter where you are, our technical team can reach your project site to deliver standardized, high-quality construction solutions.

Worldwide On-site Services