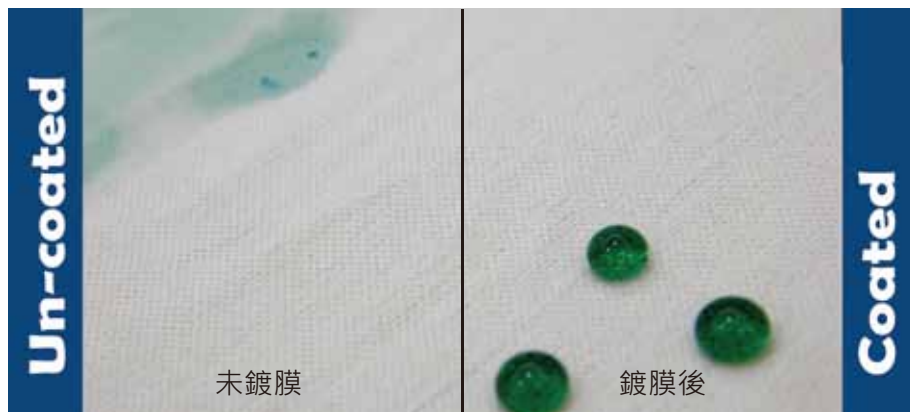


AKALI

Nano-Coating for Textiles

The product, based on nano-science, provides anti-fouling, waterproof and easy-clean surface protection for all types of textiles. Its Nano SiO₂ ingredient forms a totally invisible, breathable nanofilm with a thickness of less than a hundred nanometer. The coating allows easy removal of stain and contaminants with outstanding beading effects. Moreover, the film is highly durable (washing endurance of up to 30 times in a standard washing machine) and can withstand abrasion, chemicals, heat and UV radiation.



Advantages

- Strongly hydrophobic and oleophobic
- Non-stick and easy to clean
- Protects fibers from soil and stains
- Breathable and invisible
- Does not affect texture (No formation of sticky silicon films)
- Highly invisible so does not disrupt appearance
- Chemical resistance (Washing and cleaning agent resistance)
- Abrasion and UV resistance
- Easy coating and re-coating process (hardens at room temperature. No additional energy or UV light required)
- Highly durable – up to 5 years in most conditions and can endure up to 30 washes in a standard washing machine
- Green and eco-friendly



Main Application

Clothing, household textiles (wallpaper, curtain, pillows and carpets), synthetic fiber, silk, cardboard, suede, paper, natural wood...etc.



Coating Method

Manually: By wetting textiles (spraying or dipping)

Industrially: By standard HVLP systems



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