Fluorine-free finishing agent WF-7126A

Chemical Structure

Polyurethane dispersion solution

Technical Index

Item	Standard
Appearance	Milky white liquid
Solid Content, %	26.0%
PH Value (1% water solution)	3.5-6.0
Ionic	Weak cationic

Features and Advantages

1. Universal waterproofing agent, suitable for natural fibers, synthetic fibers and blended fabrics.
2. Excellent resistance to water spray.
3. Good stability and reproducibility.
4. Environmentally friendly. Long-lasting performance.
5. No adverse effects on fabric color, light and color fastness.
6. Soft hand feel, low hand-grabbing white.

Application

The fluorine-free waterproofing agent WF-7126A is a super-hydrophobic polymer polyurethane dispersion liquid. It is suitable for waterproof finishing by immersion treatment on natural fibers, synthetic fibers, and blended fabrics.

Wet-laid method
For cotton woven fabric
Fluorine-free water repellent agent WF-7126A: 60-100g/L - one immersion and one rolling (liquid retention rate 50-90%) → drying (110℃) → setting (150-170℃ × 90-180s)
For polyester, nylon and blended woven fabric
Fluorine-free water repellent agent WF-7126A: 40-100g/L - one immersion and one rolling (liquid retention rate 40-70%) → drying (110℃) → setting (170-190℃ × 30-90s)

Notes:
1. Adjusting the pH of the coating solution to 3.0 - 5.0 with acetic acid can achieve the best waterproofing effect.
2. The temperature of the coating solution should be kept as close to room temperature as

possible.
3. During the mixing process, the stirring speed should be kept low.
4. The fluorine-free waterproof agent may break down its emulsion at low temperatures (below 4℃).

To achieve the best waterproofing effect, the fabrics used for processing must be properly cleaned to remove the dyes and surface-active agents and other processing aids attached to the fabric. Other substances such as resins and softeners can be used in the same bath. Please conduct compatibility tests in advance to ensure no adverse effects on the waterproofing effect and the stability of the working solution. The optimal pH value for the working solution is 3.0 - 5.0 (adjust with acetic acid or citric acid). Other substances such as resins and softeners can be used in the same bath. Please conduct compatibility tests in advance to avoid any adverse effects on the waterproofing effect and the stability of the working solution.

Package

120KG Plastic Drum or other packing on request. Sealed and light-proof storage.