



SILIT-PR-3917N

TECHNICAL DATA SHEET

Introduction

SILIT-PR-3917N is a thermally reactive polyurethane that can be used in combination with fluorine free or fluorocarbon waterproofing agents to increase the frictional resistance between fiber molecules and significantly improve the waterproof, oil resistant, and wash resistant properties of the fabric. It can also be used for coating colorants, strengthening the cross-linking between adhesives and fabrics, and improving wet friction fastness..

Properties

- Appearance Light yellow to white emulsion
 - pH value 5~7
 - Ionicity Non ionic
 - Solubility: can dissolve in water in any proportion
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Characteristics

- Crosslinking waterproof agents with fabrics to improve washing resistance;
 - Improve the wet friction fastness of pigment printing;
 - There is no adverse effect on the texture, color light, and color fastness of the fabric.
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Applications

1. Mixed with fluorinated or fluorine-free waterproofing agents, used for various textile waterproofing and oil resistant finishing to improve washing resistance.
 2. Used in pigment printing ink to improve wet friction fastness.
 3. Use in combination with functional additives such as microcapsules to improve washing resistance.
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Usage

- Bathing with waterproof agents:
Waterproof agent X g/L
10%~30% of the dosage of bridging agent **SILIT-PR-3917N** waterproof agent
Dipping and rolling working fluid → Drying (110 °C) → Setting (cotton: 160 °C)X 50 s;
Polyester/cotton: 170~180 °C x 50 s).
 - Used in color paste for pigment printing:
Coating X%
Adhesive 15~20%
Bridging agent SILIT-PR-3917N 0.5~2%
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Add thickener and stir at high speed to make color paste, print → dry → set (cotton: 160 °C x 50 s; polyester/cotton: 170-180 °C x 50 s).

Note

The specific amount of waterproofing agent should be adjusted according to the fabric variety and processing technology.

Package

SILIT-PR-3917N is available in 120kg plastic drums.

Storage and shelf-life

This product is a thermally reactive resin, and should be stored away from direct sunlight and away from the heating element. Store in a cool and ventilated warehouse (5~35) with a storage period of one year. After opening the lid, it should be used up as soon as possible. Past this date, **SHANGHAIVANABIOTECH** no longer guarantees that the product meets the sales specifications.