



WJX-918S Water Blister Oil

Technical Data Sheet · Branded Edition

Product family	Water Blister Oil	Document version	2026.09
Product code	WJX-918S	Issue date	September 2026
Manufacturer	Tianjin Jinxuan Science & Technology Development Co., Ltd.	Pack size	25 kg / drum

Product Overview

WJX-918S is a water-based adhesive coating for thermoformed blister packaging. It is suitable for PVC, PE, PET and GPET substrates. The milky, translucent liquid provides uniform coating strength, good breathability, water and alcohol resistance, while helping prevent paper-fiber lifting and yellowing.

Applications

Designed for roll-coating machines and thermoformed packaging using PET, PVC and GPET sheets. Typical applications include battery packs, molds and cosmetic boxes. Compatible paper stocks include board, white card, coated paper and laser card.

Key Benefits

Gloss and blister performance	Suitable for thermoforming with PET, PVC and GPET sheets.
Fast drying	Adaptable to multiple paper stocks and standard roll-coating processes.
Water-based system	Non-toxic and low-odor; the source material states compliance with EU and US environmental requirements.



Technical Data

Values are transcribed from the supplied product material. Actual performance depends on substrate, equipment and process conditions.

Property	Typical value / range	Remarks
Appearance	Milky, translucent liquid	Visual
Diluent	Water or alcohol	Validate system and ratio in process trials
Coat weight	Approx. 30 g/m ²	Adjust to process requirements
Breathability	≥ 2.0 μm/Pa·s	Source-material value
Peel strength	5 N/25 mm	Source material references EN 868
Heat-seal temperature	120-140 °C	Validate with substrate
Heat-seal pressure	0.3-0.5 MPa	Validate with equipment
Heat-seal time	0.5-2 s	Validate with equipment
Packaging	Plastic drum, 25 kg/drum	Keep sealed during storage and transport

Processing and Use Recommendations

1. Run a trial before production to confirm paper, coat weight, drying and thermoforming parameters.
2. Set coat weight according to required blister adhesion. Excessive dilution may reduce bond strength; validate the diluent system and ratio on site.
3. Thermoforming results depend on paper quality, surface treatment and equipment. Run a trial before mass production.
4. If drying is insufficient, stand the sheets upright and use fan-assisted drying before stacking.
5. For paper above 350 g, the source material recommends a temperature above 120 °C; a thermoforming machine temperature around 180 °C may be used subject to equipment validation.
6. Use coated printed sheets promptly, since extended storage may reduce blister strength.



Storage, Transport and Liability

Read this page before use and follow the applicable site safety procedures.

Storage and transport

Keep the product sealed and protect it from heat, freezing, direct sunlight and contamination. Keep packaging intact during transport and storage.

Safe use

Use suitable personal protective equipment and maintain ventilation. Refer to the applicable internal SDS and site procedures for detailed safety information.

Disclaimer

Actual results may vary with substrate, equipment, environment and process conditions. Jinxuan warrants only that the product meets the agreed specification at sale; users should complete suitability trials before use.

Limited warranty

This document replaces other express or implied warranties except those that cannot be excluded by law. The user is responsible for confirming end-use suitability and process parameters.

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