



# Escoat WPX Release Coat

**Introduction:** Escoat WPX Release Coat is a non-silicone, carbohydrate polymer emulsion which provides a moderate release performance that is writeable and inkjet printable. Escoat WPX coatings give a consistent release performance for various tape and label products, specifically bond paper, postal readdress labels, "Post-It" type packs for give away, coupons, prescription pads, and such. The unique balance of release performance and inkjet receptivity is unmatched in release coat technology. Variations of Escoat WPX are available for lower peel performance in the new "super sticky" type label pads.

**Material Description:** A polysaccharide solution of a modified starch

**Chemical Name:** Modified starch

**Empirical Formula:** Proprietary Blend

**CAS #:** Mixture

**Molecular Weight:** Proprietary

**Physical Properties:**

Appearance:	Liquid
Ionic Characteristic:	Nonionic
Solids Content:	50 +/-2 %
Solvent:	48+% Water
pH:	8.0 +/- 1
Specific Gravity:	~1.05
Viscosity:	~200cps
Flash point:	N/A (aqueous product)

**Mixing Instructions:** Depending on the type of substrate and pressure sensitive adhesive, the concentration of solid matter required should be determined by laboratory trial. Escoat WPX Release Coat diluted to between 12.0% to 25.0% solids will be adequate in most pressure sensitive applications. Some applications may require a higher solids concentration. Stir well before use.

**Applications:** Escoat WPX Release Coat is diluted in water to achieve application concentrations. Depending on the substrate and adhesive, the solids

concentration should be determined by lab test. Recommended levels are between 12.0 - 25.0%. Some applications may require a higher solids concentration. Escoat WPX coatings are designed for use on paper substrates only. Anchorage to any film substrates should be thoroughly tested before use. The coated substrate must be thoroughly dry before rewinding.

**Advantages:**

- Offers a low ATB and unwind value. The smooth release properties are similar to silicone release coatings and are valuable when used against the 'microsphere' acrylic adhesives typically used on low peel label applications.
- Writeable and Inkjet printable.
- Silicone free to avoid silicone contamination, or poisoning of the adhesive.

**Storage:**

Keep away from fire and sunlight. Protect eyes and skin from direct contact and avoid inhaling. Do not store below 5°C or over 40°C. Keep container tightly closed.

**DO NOT ALLOW THIS PRODUCT TO FREEZE. It will no longer be usable.**

**Toxicity & Safety:**

This material is not intended for use in products for which prolonged contact with mucous membranes or abraded skin, or implantation within the human body is specially intended, unless the finished product has been tested in accordance with the Food and Drug Administration and/or other applicable safety testing requirements. Because of wide range of such potential uses, Mayzo, Inc. is not able to recommend this material as safe and effective for such uses and assumes no liability for any such uses. Read and understand the Material Safety Data Sheet before using or handling this product.

**FDA Regulations:**

Escoat WPX Release Coat does not have any approval for indirect food contact.

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