

MAYZO

**Escoat WFX 120
Water-based Release Coat**



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Escoat WFX 120 Release Coat

Introduction: Escoat WFX 120 Release Coat is a non-silicone, acrylic water based emulsion, which provides consistent release characteristics for tape and label products. Escoat WFX 120 has a consistent wetting and adhesion performance with PET and corona treated PE substrates. Escoat WFX 120 can be used on masking tape and other tapes where an aqueous coating is needed.

Material Description: Acrylic emulsion polymer Release Coat

Chemical Name: Acrylate

Empirical Formula: Proprietary Blend

CAS #: Mixture

Molecular Weight: Proprietary

Physical Properties:

Appearance:	Off white, milky emulsion
Ionic Characteristic:	Nonionic
Solids Content:	35-36%
Solvent:	63+% Water
pH:	8.0 +/- 1
Specific Gravity:	~1.1
Viscosity:	>200cps
Flash point:	A/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 WFX 120 Release Coat diluted to between 2.0% to 5.0% solids will be adequate in most pressure sensitive applications. Some applications may require a higher solids concentration to assure complete surface coverage (crepe paper). Stir well before use.

Applications: Escoat WFX 120 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 2.0 - 25.0%. Some applications may require a higher solids concentration. Film substrates should be corona treated to ensure adhesion to the substrate. Coat at 4 - 5 gm/m² (wet coat weight) using conventional coating methods with Meyer rod, Anilox or Gravure rollers. Coated substrate must be thoroughly dry before rewinding. No special "curing" is required as full release performance is achieved with mild heat drying.

Advantages:

- Offers an easy peel release. The smooth release properties are similar to PVODC release coatings.

- Cost Efficient. Excellent release can be obtained using as little as 2.0% solids concentration, depending on film, adhesive, coating equipment and desired release levels.
- Low temperature curing.
- A glossy coating
- Inkjet and print receptive
- Can be used with aggressive solvent, hot melt or aqueous acrylic adhesives.
- Tighter release performance versions are available for a) higher peel or unwind performance, and/or b) use with less aggressive adhesives, or c) for applications requiring only the inkjet/printability performance.

Packaging:

Esccoat WFX 120 Release Coat is available in 480 lb. (217.8 kg) plastic drums and in 2200 lb. (998.2 kg) plastic totes.

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:

Esccoat WFX 120 Modified Release Coat does not have any approval for indirect food contact.

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