

PERFORMANCE FEATURES

- Stand-alone water barrier
- Excellent aqueous based coating holdout
- Edge wick prevention
- Recyclable and repulpable
- Makes PEI treated paper repulpable
- Improves, tensile, tear, mullen, ECT & flat compression in some grades.
- Printable & glueable
- FDA/BfR compliant for food contact
- Made from recycled plastics & renewable resources

Product Description

Ulterion[®] 2150 WT-25 is a water-based resin developed to make paper non-wicking and water repellent. **Ulterion[®] 2150 WT-25** is for application at the wet end of the paper machine. The paper made with this product is 100% repulpable and recyclable.

Typical Properties

Solids, %	25
pH	7.5
Appearance	Amber-white Liquid
Viscosity, cPs	20 – 50
Origin	USA

FDA Status

Ulterion[®] 2150 WT-25 may be used with all foods under all conditions of use, and that such use may be properly said to comply fully with the Federal Food, Drug, and Cosmetic Act and all applicable food additive regulations, including 21 C.F.R. § 176.170 and 21 C.F.R. § 176.180. The finished paper and paperboards are subject to the extraction limitations set out in Section 176.170(c) of the food additive regulations.

MARKET USES

- Sustainable container board packaging
 - Frozen Meats
 - Produce
 - Cooler Boxes
 - Liner board & medium
- Sustainable Folding Carton & Molded Fiber
 - Deli Boxes
 - Fast food
 - Retail Food Packaging
- Flexible Paper
 - Water resistance coated bags
 - Butcher wrap
 - Seedling & potted plant liners

Application Methods

Typical wet end applications use 30 – 50 wet pounds per ton. Coating with an Ulterion[®] coating system after treatment with **Ulterion[®] 2150 WT-25**, will produce paper with good water repellency, moisture barrier properties for improved strength under wet & humid conditions. **Ulterion[®] 2150 WT-25** is anionic in nature and must be used in conjunction with a cationic promoter. Poly-Aluminum Chloride (PAC) is the preferred promoter at 0.5 to 1.0 parts **Ulterion[®] 2150 WT-25**. A poly-DADMAC is a second choice. ASA and AKD are synergistic in combination with the **Ulterion[®] 2150 WT-25** and improve water hold out and anti-wicking properties. Glyoxal based strength additives have demonstrated significant increase in dry strength. Avoid polyamines, starch and other hydrophilic wet-end additives.

Handling / Storage Stability

The **Ulterion[®] 2150 WT-25** is a made to order product, which should be kept in cool, dry conditions. Ideal storage temperatures are 40°F to 75°F. Temperatures above 90°F will decrease the shelf life considerably. Optimal storage conditions will yield a shelf life of 120 days from the date of manufacture.

Product Safety

When considering the use of **Ulterion[®]** brand products, please refer to the latest Safety Data Sheets (SDS). If a SDS for this product is required, please contact your **Jain Chem Representative**.