

# AIRLOCK

## PEARL STARCH MODIFIER FOR STARCH-BASED ADHESIVES

**Description** AIRLOCK is a pearl starch modifier designed to eliminate specialty carrier starches in adhesives for corrugated board. AIRLOCK is a proprietary chemical compound that reacts with the regular pearl starch in the cooked portion of the adhesive to modify the pearl starch, giving the final adhesive a sticky, stringy rheology.

- Benefits**
- Allows adhesive compounder to cook more solids in primary and higher overall solids in the secondary, while maintaining desired viscosity.
  - Increased starch penetration, providing a better, stronger starch bond.
  - Increased corrugator speeds.
  - Reduced warp, and a drier, firmer board.

<b>Properties</b>	Appearance & Odor	Clear liquid with no odor
	Boiling Point	212° F
	Specific Gravity	1.0
	Vapor Pressure & Density	Same as Water
	pH	5.0

**Application** AIRLOCK is added into the primary portion of the starch batch at a rate of 10 – 20 lbs./batch, depending on batch size.

**Packaging** AIRLOCK is supplied in 250 gallon/2,200 lbs. totes.

**Compliance** AIRLOCK complies with FDA Regulation **21.CFR.175.105** (Indirect Food Additives: Adhesive and Components of Coatings).

**Safe-Handling** Avoid contact with skin or eyes. Wash hands and flush eyes immediately upon accidental contact. Clean spills and wash area immediately. See Safety Data sheet for more information.



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