

Pulp & Paper Defoamer Solutions

Application-led screening for pulp washing, wet end, white water, coating and surface sizing

APPLICATION-LED SHORTLIST

REV. 2026-08

INDUSTRIAL USE

Start with the process stage - then confirm with current documents and a controlled mill trial.

The grades below are candidate starting points. Final selection depends on liquor or furnish chemistry, temperature, shear, deposits, additive compatibility and downstream quality requirements.

PROCESS-TO-PRODUCT SHORTLIST

Process stage	Foam / air challenge	Candidate grade	Trial decision criteria
Pulp washing & black liquor	Alkali, lignin surfactants and carryover	INVINO-6930 Silicone emulsion	Compare knockdown, persistence, drainage, deposits and downstream compatibility under representative liquor conditions.
Wet end & white water	Surface foam, entrained air and drainage variation	INVINO-5045 / 5060 / 5800 Fatty alcohol family	Use 5045/5060 as conventional references; screen modified fatty-alcohol grade 5800 when enhanced deaeration is the priority. Verify air, drainage, sizing and deposits.
High-speed closed white-water loop	Persistent micro-air under shear and temperature	INVINO-8062 Polyether	Use the current TDS to shortlist; validate operating temperature, shear, degassing, dosage response and runnability.
Coating kitchen	Foam that can contribute to coating or print defects	INVINO-3000 Hydrocarbon / mineral-oil type	Screen formulation compatibility, rheology, leveling, surface defects and downstream print requirements; request current grade documents.
Surface sizing	Foam and film-uniformity variation	INVINO-8082 / 8082A Polyether ester grades	Both grades belong to the polyether-ester family. Select after reviewing starch formulation, temperature, compatibility and current grade documents.

PRODUCT POSITIONING - VERIFY WITH SIDE-BY-SIDE MILL TESTING

INVINO-5800 is a newly introduced modified fatty-alcohol grade positioned for stronger deaeration than conventional fatty-alcohol defoamers. INVINO-8082 and INVINO-8082A are both polyether-ester grades. Confirm grade choice with current documents, process chemistry and controlled comparative trials.

DOCUMENT & COMPLIANCE PATH

1 Overview

Use this one-page guide to identify the process stage and candidate chemistry.

2 Current TDS

Confirm grade properties, handling, dosage guidance and the revision date before testing.

3 SDS & compliance

Request the grade- and destination-specific package; batch COA is supplied by lot.

