Alphabond® ADHESIVE TECHNOLOGIES



FASTLOCK® 120 · FAWEMA BAG PACKING

Running a Fawema? Your bag closure does not need 160°C

Fawema bag packers are quick, tidy machines. The adhesive feeding them is usually the oldest thing on the line. Fastlock® 120 closes the same bags from 120°C, cuts glue system energy by 41% and stops the char that blocks your nozzles.

120°C	41%	40°C
Application temperature, straight into your existing tank	Less energy used by the glue system versus a 160°C grade	Cooler running, which is where the char problem goes away

◆ Runs from 120°C	£ 41% less glue system energy
Around 40°C cooler than the 160°C grades most Fawema lines still run. Cooler tank, cooler hoses, cooler heads.	Measured against a 160°C grade in the same tank. On two shifts, that shows up on the meter inside a month.

✦ No char, no blocked nozzles	≈ Built for dusty powder lines
Char is a heat problem. Drop the tank 40°C and the degradation that blocks nozzles and streaks bags largely stops.	Flour, milk powder, starch and sugar dust sit on the paper before the glue lands. Fastlock 120 has the tack to pull through it.

What the machine is actually asking of the glue

On a Fawema bag packer the adhesive has three jobs and very little time to do them. It has to grab a paper surface that already has product dust on it, hold the bag end closed while the pack is still moving, and do it again a hundred times a minute without building anything up on the nozzle or the sealing jaw.

Most lines were set up years ago with a general purpose 160°C grade because that was what existed at the time. The machine has moved on. Fawema controls, servo drives and format changes

are all faster than they were. The adhesive is the part nobody revisited.

Why the tank temperature is the real cost

Every hour a tank sits at 160°C is an hour of paying for heat and an hour of slowly cooking the adhesive in it. That is where char comes from. It is not a product fault and it is not the operator being careless, it is thermal degradation. The hotter and longer you hold the glue, the more of it you get. Blocked nozzles, dark streaks on the bag face and the Friday tank strip all trace back to the same number on the controller.

Fastlock® 120 is formulated to run from 120°C. That is roughly 40°C off a conventional grade, which cuts the energy the glue system draws by 41%. You feel it three ways: a smaller electricity line, a tank that stays clear, and hoses and heads that stop being a maintenance job.

Dust is the part people underestimate

Flour, milled cereal, milk powder, starch and icing sugar all end up on the outside of the bag before the glue does. A low tack adhesive bonds to the dust layer rather than the paper, which is why bag ends look closed coming off the machine and lift two pallets later in the warehouse. Fastlock® 120 carries high initial tack, so it wets through the surface and reaches fibre.

It fits the glue kit you already own

This is a drop-in change, not a machine project. Fastlock® 120 is supplied granulated so it feeds through the autofeed systems normally found on Fawema installations, including Nordson, Robatech, Meler, Valco, Preo, HHS, Graco and ITW. Drop the tank set point, run the old material out and carry on. No new heads, no new hoses, no downtime beyond a changeover.

> **⚠ One caveat, said plainly**
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> Low temperature grades are not a fix for a mechanical fault. If a nozzle is part-blocked, a pattern is out of position or a compression section is set wrong, changing adhesive hides the symptom for a week. We check the machine first and say so if the glue is not the problem.

What we need to quote it properly

A trial takes one shift and we do the maths with you. Bring these five things to the conversation and we can tell you what the change is worth before anyone orders anything.

- ✓ Current tank temperature and set point on the glue unit
- ✓ Bag format, paper grade and whether the surface is coated or varnished
- ✓ Bags per minute, and where in the cycle the bond has to hold
- ✓ Adhesive spend per month, plus how often you strip and clean the tank
- ✓ Any recurring faults: bag ends lifting, stringing onto the bag face, blocked nozzles

Fastlock® 120 at a glance

Product	Fastlock® 120
Type	Hot melt adhesive, granulated
Application temperature	From 120°C
Applications	Bag closing and side seam, case and carton sealing
Substrates	Kraft and coated paper, board, film-laminated paper
Markets	Flour, cereal, milk powder, sugar, starch, dry foods
Food contact	FDA approved for food packaging use
Packaging	Bag, suitable for autofeed systems

Where it earns its place

Fastlock® 120 works across bag closing and side seam on paper and coated paper, and the same grade handles case and carton sealing downstream. Plenty of sites end up running one adhesive from the bag packer to the case sealer, which takes a code out of stores and a decision away from the operator.

Talk to Alphabond about Fastlock® 120

Book a trial on your Fawema and we will measure the before and after with you.

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