

ALPHABOND

ULTIMATECOOL® EC98 · BREWERIES AND DISTILLERIES

The 98°C Benefits, at a Lower Cost Per Kilo

Brewers and distillers are being asked to cut energy and cut cost in the same year. UltimateCool® EC98 does both: it runs in the same 98°C window as UltimateCool® 98, but a reworked raw material package brings the price per kilo down. The one honest trade-off is colour, it is honey rather than clear.

98°C
Application temperature, straight into your existing tank

54%+
Less glue system energy versus a 160°C grade

Zero
Char, because degradation is a heat problem

Six questions we get asked, answered

↑ Runs at 98°C

The same low-temperature window as UltimateCool® 98. Over 60°C cooler than a conventional 160°C grade, so tank, hoses and heads all run cool.

£ Lower price per kilo

EC98 uses a different, lower cost raw material package. You keep the 98°C running benefits and take the cost line down at the same time.

◆ Over 54% less energy

Measured against a 160°C grade in the same tank. On a packing hall running two or three shifts, that is a visible number on the meter.

✓ Zero char in the tank

Char is thermal degradation, not carelessness. Hold adhesive at 98°C instead of 160°C and the black bits that block nozzles stop forming.

★ FDA approved

Cleared to CFR 21.175.105 for food contact applications, with a restricted-substance statement available from our technical team.

● Honey coloured

EC98 is amber rather than clear. On kraft cases, trays, wraparound and shrink-ready multipacks nobody sees it. For an exposed bead on white board, specify UltimateCool® 98.

What a brewery packing hall is actually asking for

Talk to a packaging engineer at a large national brewery and the brief is short. Hold the case shut through the palletiser, the shrink tunnel and the trailer. Do not block nozzles halfway through a shift. Do not add heat to a hall that is already warm. And bring the cost per case down, because the energy bill and the raw material bill both moved the wrong way.

Distilleries have the same list with an extra line: cases spend longer in bond and in cold, damp warehousing before anyone sees them, so a bond that looks fine at the case sealer has to still be fine six months later.

Where EC98 sits in the range

UltimateCool® 98 solved the temperature problem: 98°C instead of 160°C, over 54% less energy on the glue system and no char in the tank. The objection we heard next was always the same, the price per kilo is higher than the commodity grade sitting on the pallet today.

EC98 is the answer to that objection. Same Generation 6 low-temperature chemistry and the same 98°C application window, formulated around lower cost ingredients so the material price comes down. It is the economy grade of the family, aimed at high-volume case sealing where the bead is not on show.

Be straight about the colour

EC98 is honey coloured. That is a consequence of the cheaper resin package, not a performance flaw, and on the vast majority of brewery and distillery packs it makes no difference at all. Kraft cases, brown trays, wraparound, shrink-ready multipacks and any bead hidden under a flap will never show it.

Where it does matter is a white printed carton with a bead in view, or a premium gift pack where a faint amber line on white board would get flagged by a brand team. On those formats specify UltimateCool® 98 and keep EC98 for the case sealer. Plenty of sites run both, and the tank temperature is the same either way, which is the part that makes it painless.

It drops into the kit you already own

This is a grade change, not a project. EC98 runs through the tank, hoses and heads already on the line, including Nordson, Robatech, Meler, Valco, Preo and ITW systems. Drop the set point to 98°C, run the old material out and carry on. The only things that change are the number on the controller and the colour in the tank.

What the change is usually worth

To turn the 54% into money, use the energy savings calculator at alphabond.com/resources/co2-savings-calculator: tank size, current and target set point, running hours and your electricity rate give you the annual kWh, the annual cost and the CO2 saved. Two savings then stack. The energy saving comes from the 98°C tank. The material saving comes from EC98 itself. On a multi-line packing hall with tanks held hot across three shifts, that combination is normally the largest single adhesive saving available without touching a machine. Add the things that never appear on a purchase order: no Friday tank strip, fewer blocked nozzles, less time with a hot gun and a scraper, and a hall that is a degree or two cooler for the people working in it.

Which grade goes where

Grade	Temp	Colour	Best for
UltimateCool® EC98	98°C	Honey	High-volume case sealing on kraft, lowest cost per kilo
UltimateCool® 98	98°C	Clear	General packaging, exposed beads on white printed board
UltimateCool® 98 Plus	98°C	Clear	Frozen and chilled packs, CFR 21.175.105
UltimateCool® 100	100°C	Clear	Wider operating window on variable board

What we need to quote it properly

- ✓ Current grade, tank set point and how many tanks are on the packing hall
- ✓ Case or tray format, board grade, and whether the bead is ever visible on a printed face
- ✓ Cases per minute, and how quickly the pack is stacked or palletised after sealing
- ✓ Adhesive spend per month and how often you strip and clean tanks
- ✓ Cold store or chilled warehouse conditions the pack has to survive after sealing

The honest caveat

EC98 is the value grade, so it is specified, not assumed. If the pack goes into deep freeze, if the bead is visible on white board, or if the case has to survive a long export leg, we will point you at UltimateCool® 98 or 98 Plus instead and say why. Cheaper only counts if the case still holds.

Two ways sites usually run it

◆ **EC98 everywhere**

Single grade across every case sealer in the hall. One code in stores, one set point, and the biggest cost reduction. Works where all packs are kraft or brown board.

✓ **EC98 plus 98**

EC98 on the case sealers, UltimateCool® 98 on the cartoner or any pack with a visible bead. Both run at 98°C, so operators see no difference in setup.

Book a trial on your packing line

One day on your line, with your cases and your team watching. We bring the kit, measure the before and after and leave you the report either way.

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