

ICECATCH® Solid Insulated Cool

ICECATCH® Solid Insulated is a self-insulating cooling element with an integrated insulation layer. Its functionality is simple yet ingenious. The unique insulation layer prohibits radiative cooling from the frozen cool brick with a temperature of -18°C from reaching your product. It only emits the desired cooling temperature of approx. $\pm 0^{\circ}\text{C}$ into the product space, thus ensuring that the temperature in the system's payload compartment stays above the critical value of $+2^{\circ}\text{C}$. This gives you

the possibility of a secure cold chain from $+2^{\circ}\text{C}$ to $+8^{\circ}\text{C}$ for up to 120 hours.

The PA/PE composite film that encloses our cooling elements consists of at least 50% "green" polyethylene. In contrast to conventional plastic made from oil or natural gas, this "green" plastic is made from sugar cane waste materials, offering a novel and sustainable alternative to standard polyethylene.

Technical Data

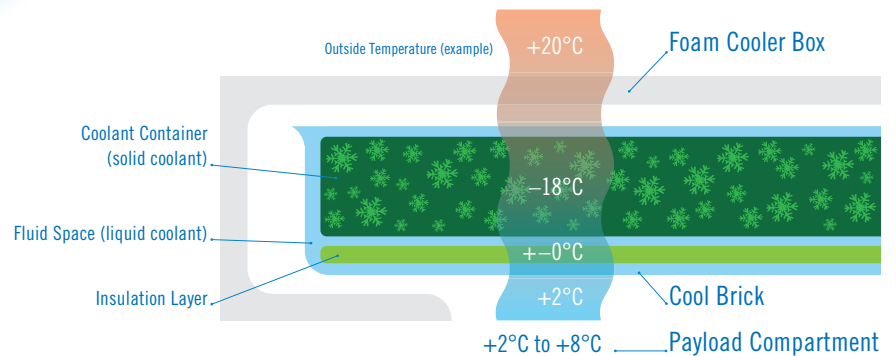
- * Melting range $\pm 0^{\circ}\text{C}$
- * Phase transition 0°C
- * Thermal capacity: liquid 4,2 kJ/kg K, fest 2,08 kJ/kg K
- * Latent heat: 330 kJ/kg

PROTECTCOOL



Key Advantages:

- * Qualified system solution for transporting at $+2^{\circ}\text{C}$ to $+8^{\circ}\text{C}$
- * No different preconditioning of cooling elements
- * Easy handling, no additional insulating material
- * Minimized procurement and storage costs, only one cool brick format needed
- * Reduced transport cost through weight reduction
- * Batch documentation and traceability of the cooling elements
- * FDA and EU-compliant film, non-toxic ingredients
- * PA/PE composite film is based on at least 50% of the renewable raw material of sugar cane.
- * Robust PA/PE-composite film is approved for food and pharmaceutical use
- * Immediate global availability
- * No tooling costs
- * Increased leak protection through substrate-bound coolant in EPS or Neopor



List of standard sizes

weight	W x L x H in mm	product name	article no.	pcs./carton	cartons/pallet
1100 g	280 x 190 x 30	ICECATCH® Solid Insulated 1100 g	19-04002	12	40
1700 g	280 x 190 x 45	ICECATCH® Solid Insulated 1700 g	19-04001	8	40
500 g	195 x 130 x 23	ICECATCH® Solid Insulated 500 g	19-04004	24	32

sectional view ICECATCH® Solid Insulated



You can find more information in our film gallery.

ICECATCH®
Advanced Cooling Solutions
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eutecma gmbh · Tel. +49 (0) 621-493 078-0 · www.eutecma.com · info@eutecma.com