

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

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

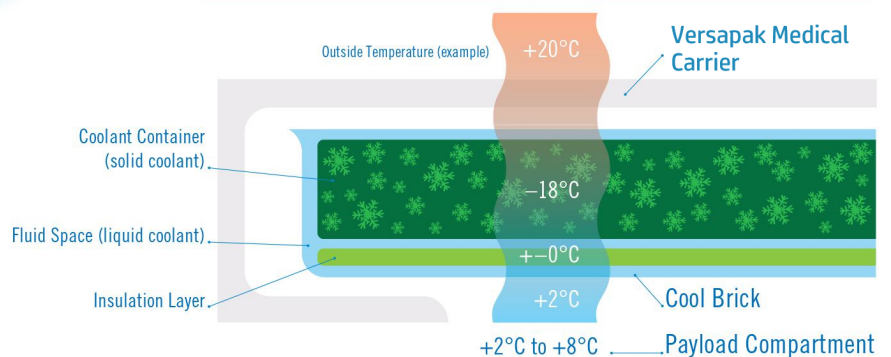


the possibility of a secure cold chain from $+2^{\circ}\text{C}$ to $+8^{\circ}\text{C}$ for up to 120 hours.

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.

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



sectional view ICECATCH[®] Solid Insulated

Product Name	Product SKU	Weight (g)	Dimensions (mm)
ICECATCH 500g	ICECATCH_SOLID_ISULATED_COOL-500g	500g	195 x 130 x 23
ICECATCH 1100g	ICECATCH_SOLID_ISULATED_COOL-1100g	1100g	280 x 190 x 30