

ICECATCH SOLID INSULATED COOL

The ICECATCH Solid Insulated Cool is a self-insulating cooling element with an integrated hydrophobic insulation layer. The way it works is simple and ingenious at the same time. The insulation layer prevents the radiant cold of the cooling element pre-tempered at -18°C from cooling the product space below $+2^{\circ}\text{C}$. At the same time, the internal coolant reservoir only releases coolant with the desired coldness of $+0^{\circ}\text{C}$ during the melting process. This washes around the insulation layer, ensuring that the product chamber temperature remains within the desired temperature range of $+2^{\circ}\text{C}$ to $+8^{\circ}\text{C}$ for a period of up to 120 hours.

Technical data

- * Melting range $\pm 0^{\circ}\text{C}$
- * Phase transition 0°C
- * Thermal capacity: liquid 4,2 kJ/kg K, solid 2,08 kJ/kg K
- * Latent heat: 330 kJ/kg
- * Heat absorption spread around the 0°C range
- * compatible with the PROTECT system packaging

The film composite that encloses the inside of our cooling elements consists of at least 50 percent "green polyethylene". Unlike conventional plastic, which is made from petroleum or natural gas, the "green" plastic is made from the waste of sugar cane, by using waste from sugar cane, a new and sustainable alternative to standard polyethylene is offered.

Key Advantages:

- * **Solid and reliable:** reliable cold storage through the use of immobilized cooling media
- * **Reusable:** reusable due to the use of robust PA/PE films
- * **Sustainable:** Film composite based on at least 50% sugar cane waste
- * **Secure use:** in the pharmaceutical and food industries approved PA/PE film and non-toxic ingredients
- * **PROTECT SYSTEM PACKAGING:** Cooling element fits all PROTECT boxes

PROTECTCOOL



List of standard size

weight	L x W x H in mm	product name	article-no.	pcs./carton	cartons/pallet
1.100 g	280x190x30	ICECATCH Solid Insulated 1100 g	19-04002	12	40
1.700 g	280x190x45	ICECATCH Solid Insulated 1700 g	19-04001	8	40
500 g	195x130x23	ICECATCH Solid Insulated 500 g	19-04004	24	32



you can find more information
in our product page.



ICECATCH[®]
modular, sustainable, innovative