

Storopack Press Information August 2015 Molding Division

Storopack is a specialist in the field of protective packaging. Its product portfolio encompasses both customised and flexible packaging systems and their integration into customer packaging processes. The services provided by the internationally active company group based in Metzingen (Germany) are performed by the two divisions Molding and Packaging.

The Molding Division is a specialist in customized protective packaging solutions and technical moldings made of expanded foam such as EPS (Styropor®), EPP (expandable polypropylene) or Neopor, catering to a wide range of different industrial sectors. The materials are made particularly attractive by a range of benefits including insulation, shock absorption, durability and low weight. In our Technology Center, we design moldings using state-of-the-art technologies such as CAD development, CNC prototyping and tool design. Testing facilities include a drop testing system and climatic chamber. Our complete production process is designed to be environmentally friendly and uses water vapor. Our Molding Division is present in Europe and China with certified producing locations.

Pre-qualified thermal delivery systems for temperature-sensitive products

Metzingen. The transport and storage of temperature-sensitive goods such as pharmaceuticals or biotechnology materials are subject to stringent requirements. Storopack, a specialist in protective packaging, now offers pre-qualified thermal delivery systems which allow customers to maintain the cold chain during long transports.

Storopack has been active in the field of thermal shipping for ten years. Up until now, customers could choose between standard boxes - loose Styrofoam boxes without batteries - or individually customized solutions. Newly available in the company's product portfolio are pre-qualified thermoboxes for 24h and 48h transports. Storopack is therefore targeting customers who are not looking for individualized solutions, but rather professional pre-qualified solutions. The target group

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for the new offering includes companies from the pharmaceutical, biotechnology and food industries, such as laboratories for example.

The new, preconfigured system solutions for a temperature range between 2 and 8 degrees Celsius are available for 24h transports in five sizes (5/10/21/31/36 liters capacity) and for 48h transports in four sizes (7/18/21/33 liters capacity). They are directly available from the warehouse and do not require investment in a tool or equipment. The development of the boxes was based on two different ambient temperatures, corresponding to a summer and a winter scenario. The system solution includes all necessary components, such as an EPS box, an inner box, an outer box and a cooling agent. The boxes can be easily equipped with the individual components and they follow a simple system. Since there are no spacers, only the preconditioned cooling bricks, also referred to as foam bricks, need to be inserted into the box.

For the packaging of temperature-sensitive products in the thermoboxes, a defined number of cooling bricks is placed on the bottom of the insulated box. Then the inner box packed with the customer's products is placed in the insulated box and the side walls are lined with more cooling bricks. The number of cooling bricks used will depend on the size of the box system. The remaining cooling bricks are then placed on the inner box, the lid of the insulated box is closed and the package is taped for shipment. For easier handling, the EPS insulated box can be placed in the outer box at the beginning of the process.

The program is complemented by high-insulation panels (HIPs), with which the insulating boxes can be



additionally lined. Using these additional panels, the temperature holding time in the transport box is considerably extended. Unlike with vacuum insulation panels (VIPs), there is no risk of vacuum loss. The HIPs are available in thicknesses of 5-20mm - depending on the performance requirements of the additional insulation. Their use is especially recommended for destinations with extremely high temperatures. The panels are reusable and can be flexibly adapted to the different box sizes. They are supplied flat, thereby reducing storage costs.

"The quality of the thermal packaging plays an essential role in the undamaged delivery of temperature-sensitive products to their destination. With our pre-qualified system solutions, we can support customers looking for a pre-qualified system for smaller production runs, while strengthening our competitiveness in the market. We see a growing market with system solutions and HIPs for thermal shipping and are currently expanding our offering. 96h transportation and the 15-25 degree Celsius temperature range will follow," says Olaf Neumann, Product Manager for Thermoshipping at Storopack.

More information is available at www.storopack.com

Text length: approximately 3,600 characters

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Photographs: Storopack



New in Storopack's product portfolio: pre-qualified thermoboxes for 48h transports with capacities of 7, 18, 21 or 33 liters

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The new, preconfigured system solutions for the 2 to 8 degree Celsius temperature range are available for 24h transports in five sizes.

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