

Rubber processing industry

Areas of application of ISOCOS insulation materials:

- **Insulation of tyre presses, conveyor belt presses, mould presses or hose production systems**

Exact control of the heat balance in systems for rubber processing requires a thought-out insulation concept and exact design of the individual insulation materials. The quality of the insulation effects low heat loss, short heat-up times and continuously high quality along the entire production cycle.

Tyres are high-tech products. The rolling characteristics and durability are achieved with finely tuned rubber compounds. For this reason, control of the heat balance, targeted temperature control of the presses and low setting behaviour of the insulation all play a decisive roll for controlled production and continuously high product quality.

It is important to minimise heat loss and keep the heat input into the machine as small as possible. This significantly affects the profitability and energy consumption of the system.

ISOCOS designs, manufactures and supplies sophisticated insulation concepts for systems in the rubber manufacturing industry - whether external insulation for the entire surface system or the strip-shaped insulation of intermediate areas with highly insulating materials. You can rely on our extensive experience and proven configurations of insulation materials.

→ [Mould and tool making](#)

ISOCOS products for the rubber processing industry

Product name	Operating temperature (long term)	Compressive strength at 23 °C
cosTherm® A	270 °C	10 N/mm ²
cosTherm® E.210	210 °C	600 N/mm ²
cosTherm® 4000	200 °C	320 N/mm ²
cosTherm® 4000 A	200 °C	100 N/mm ²
cosTherm® 4000 plus	230 °C	450 N/mm ²
cosTherm® E.230 HD	250 °C	750 N/mm ²