

# Boiler insulation that can really take the heat



## High performance, cost-effective and space saving boiler insulation for professional coffee machines

From the early morning latte to the after-dinner espresso, the professional coffee machine works hard, really hard. For optimum daily performance and a long service life, the boiler needs care – including the best insulation.

### Introducing ZOTEK® NB50

Manufactured from heat-resistant nylon, ZOTEK NB50 is a closed cell, crosslinked lightweight foam that outperforms all other types of insulation, meeting and exceeding the thermal requirements for steam boilers, with consistently high performance at 120°C and a maximum operating temperature of 205°C.

Excellent thermal conductivity properties mean that less material thickness is required than with standard insulation, allowing reduced footprint and better machine design flexibility. Flat sheets of ZOTEK NB50 can be thermo- or vacuum-formed to fit around the boiler and hot pipework, in an easy, single-step process, reducing manufacturing time and cost.

### Unique properties

ZOTEK products are manufactured via Zotefoams' unique method, which produces the purest foams available, consistently outperforming the market in terms of consistent cell size and density, compression stress and tensile strength. It also boasts excellent hydrocarbon, alcohol and ketone resistance.

The ZOTEK N range is widely used in



the engineering, automotive and aviation sectors for high temperature processing and insulation applications.

### Highlights

- Space-saving and cost-effective
- Ease of fabrication moulding
- Consistently high performance at 120°C
- Maximum operating temperature +205°C
- Improved efficiency and lifetime of coffee machine

Thermal conductivity	W/m K
0 °C	0.0360
25 °C	0.0381
50 °C	0.0405
80 °C	0.0420
130 °C	0.0463
170 °C	0.0512



For more information or to request samples email: [zotek@zotefoams.com](mailto:zotek@zotefoams.com) or visit our website [www.zotefoams.com](http://www.zotefoams.com)

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