

# MULTITHERM 550

## Technical specification

Application temperature	°C	500
Short term	°C	550
Density	kg/m <sup>3</sup>	130
Thermal conductivity (at a medium temperature W/mK)	20 °C	0.023
	100 °C	0.026
	200 °C	0.030
	300 °C	0.033
	400 °C	0.039
Linear shrinking (24h at 450 °C)	%	< 1
Standard dimensions (board) (in mm) <sup>(1)</sup>	Length	1000
	Width	500
	Thickness	2,5 – 30
	Org. binder (%)	0
Colour		white

**Inorganic non-trickle easy handling insulating material. Contains no binding agents and is physiologically harmless.**

The material is self supporting, flexible and light. As insulating material achieves lowest thermal conductivity coefficient compared with conventional insulating materials. This material can be used whenever little space is available, but high insulation and light weight are demanded. Aluminium covering is possible.

**Multitherm 550 is recyclable.**

By virtue of its high bio-solubility this product this product has been classified as physiologically harmless according to GefStoffV Annex V No. 7.1 Paragraph. 1 Sentence 2.

(Expertise Dr. Bernstein,  
RCC Project 324268 dated 21.1.1998)

### Possible applications:

- » Storage heating devices
- » Heating boilers
- » Baking ovens
- » Solar plants
- » Extruder shrouding
- etc.

- (1) We are able to supply special formats and special thicknesses on request. We will be pleased to manufacture stampings, milled parts or cuttings according to your drawings.
- (2) The classification temperature is not to be equated with the maximum application temperature, in particular when physical conditions such as tensile or pressure loads are involved. For applications as high-temperature insulation, lower temperatures must always be applied. In these cases, our Engineering department will offer assistance and support.
- (3) Heat transmission calculations for this material can be requested from our Engineering department.

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Further information and advice on specific details of the products described can be obtained in writing from Techno-Physik Eng. GmbH (Germany). The TechnoPhysik Group is consistently running product development programmes and reserves the right to modify product specifications at any time without notice. The customer/user is thus always obliged to ensure that the material form Techno-Physik Eng. GmbH is suitable for his specific purposes. The specified values are average figures determined from current production and are intended only for information. Warranty claims cannot be derived from these figures. We recommend to test the material for your application.

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