

ISOBLOC 500

Technical specification

Application temperature	°C	500
Binding material volatility	°C	> 150
Density	kg/m ³	15 – 60
Compressional strength	KN/m ²	10
Binding material content	%	< 2
Ki index		> 40
Quality	AGI Q 135	AS quality, sulfide-free
Thermal conductivity (DIN 52613) bei 100 °C	W/mK	0.052
Fire protection behaviour (DIN 4102; EN 1301-1)	A1	non-combustible
Standard dimensions (in mm) ⁽¹⁾	Length	depending on material thickness
	Width	1250
	Thickness	40 60 80 100 120 150
Colour		white/yellow

ISOBLOC 500 products are glass wool thermal insulating mats which are available with various densities. According to customer request they can be equipped with bright or black glass fleece covering or aluminium covering.

All these products are water-repelling according to DIN 18 165 and – if provided with a covering – they are also weatherproof. Because of their Ki index of > 40 these products are physiologically safe.

Typical application fields:

Industrial thermal insulation, heating plant and equipment construction.

- (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.

The information contained in this publication serves only for purposes of clarification, and is not intended to form the basis of contractual obligations.

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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