ISOTHERM T01

Technical specification

Application temperature	°C		500
Density	kg/m^3		1900
Thermal conductivity (20 °C DIN 52612)	W/mK		0.320
Compressional strength (EN ISO 604)	N/mm^2		100
Bending strength (EN 63)	N/mm^2		24
Water take-up (DIN 53495) 24h	%		max. 15
Linear coefficient of thermal expansion (DIN 53752)	1/K		5 ·10^{-6}
Formats (boards)	mm	Format Thicknesses	1220 x 910 6 – 75 ±8%
Colour			grey

ISOTHERM T01 belongs to the group of highly compressed asbestos-free fibre cement materials. The chief constituents are cement silicates and inorganic fibres. This material has excellent properties such as high temperature cycling stability, ageing stability and high temperature stability. **Furthermore Isotherm T01 is non-combustible.**

Application field:
Machinery, plant and industrial furnace construction, asbestos substitute, electrical insulation, glass industry, in tools for press and injection moulding plants.

(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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