

CARTO – THERMAL LAGGING BOARDS

Technical specification

	Product	85 K*	85 KB*	120 K	120 ZF	120 KF	120 KK	120 WT
Application temperature	°C	850	850	1100	1100	1100	1100	1100
Density	kg/m ³	920	960	960	910	760	850	1030
Thermal conductivity (at a medium temperature in W/mK) at a density of 96 kg/m ³	400 °C	0.10	0.10	0.10	0.17	0.12	0.11	0.12
	600 °C	0.11	0.11	0.11	0.17	0.13	0.12	0.13
	800 °C	0.13	0.13	0.13	0.19	0.15	0.14	0.16
	1000 °C	-	-	0.14	0.22	0.20	0.15	0.20
Shrinkage (after 24h)	%	1.1 (850 °C)	1.4 (850 °C)	2.6 (1000 °C)	2.7 (900 °C)	3.2 (900 °C)	2.8 (1000 °C)	0.8 (1100 °C)
Loss on ignition	%	16.8	18.0	19.1	13.2	23.0	18.2	15.4
Standard dimensions (in mm) ⁽¹⁾	Length	1000 1200						
	Width	1000						
	Thickness	2 – 10	2 – 10	1 – 10	1 – 5	1 – 5	1 – 10	1 – 10
	Org.binder (%)	10.0	10.0	11.5	3.0	14.0	8.3	12.8
Colour		grey	grey	white	white	white	white	beige

* The synthetic mineral fibres used for the production of these products have been classified as non-cancerogenic according to the EU Directive 97/69/EC.

- (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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