

# IBF – FIBER-BOARD (bio-soluble)

## Technical specification

	Product	110 MT	110 M4	110	110 ZK	110 WT	120 B	120 BZK
Application temperature	°C	1000	1100	1100	1100	1100	1150	1150
Density	kg/m <sup>3</sup>	440	490	280	320	570	270	330
Thermal conductivity (at a medium temperature W/mK)	400 °C	0.11	0.11	0.07	0.08	0.09	0.07	0.08
	600 °C	0.13	0.13	0.09	0.10	0.09	0.09	0.11
	800 °C	0.18	0.18	0.12	0.11	0.10	0.11	0.12
	1000 °C	-	-	-	-	0.11	0.13	0.13
Shrinkage (after 24h)	%	3.3	1.0	2.3	1.7	0.5	3.3	2.8
Loss on ignition	%	5.3	5.2	4.7	7.8	4.9	4.2	7.2
Standard dimensions (in mm) <sup>(1)</sup>	Length				1200			
	Width				1000			
	Thickness				5 – 100			
	Org.binder (%)	3.5	3.5	4.5	5.5	3.5	4.5	5.5
Colour		grey/brown	brown	white	white	brown	white	white

- (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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