

Product Type	Symbol according to EN 13162	Unit	BP 70	BP 50	BP 40	BP - 021	B - 571	B - 051	B - 001	B - 570	B - 050	B - 040	R - 050	EN standard
Technical data														
Thickness	$d_N$	mm	40-150	40-150	30-160	40-180	20-100	20-120	20-160	20-160	30-160	30-160	30-100	EN 823
Thickness tolerance	Ti	Class	T7	T7	T7	T7	T7	T6	T4	T4	T4	T4	T4	EN 13162
Length	L	mm	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	2500 - 10000	EN 822
Width	B	mm	1200	1200	600	600	600	600	600	600	600	600	1000	EN 822
Thermal conductivity declared at 10° C	$\lambda_D$	W/mK	0.039	0.038	0.040	0.040	0.035	0.035	0.033	0.033	0.035	0.035	0.035	EN 13162 EN 12667 EN 12939
Fire classification		Class	A1 (non combustible)											EN 13501-1
Softening temperature	-	°C	> 1000 °C											
Specific heat capacity	C	kJ/kgK	0.84											
Compressive stress at 10% thickness deformation	CS(10)i	kPa	70	50	40	30	20	20	5	3				EN 826
Point load for 5mm thickness deformation	PL(5)i	N	600	550	350	350	350	200						EN 12430
Compressibility ( $c_p = d_L - d_b$ )	CPi	mm	CP2	CP2	CP2	CP2	CP2	CP4						EN 13162 EN 12431
Design compressive load	-	kN/m <sup>2</sup>	15	12	10	7	7	5						
Tensile strength perpendicular to faces	TRi	kPa	20	15	7.5	10			1					EN 1607
Tensile strength parallel to faces	$\sigma_t$	kPa			12	10					14	12		EN 1608
Short term water absorption (24 hours))	WS	kg/m <sup>2</sup>							< 1					EN 1609
Long term water absorption (28 days)	WL(P)	kg/m <sup>2</sup>							< 3					EN 12087
Water vapour diffusion resistance factor ( $\mu$ )	MUi	-							1					EN 12086
Air flow resistivity (r)	AFr i	kPa s/m <sup>2</sup>			140	91		120	66	49	31	15		EN 29053
Weighted sound absorption coefficient ( $\alpha_w$ )	$d_N$	mm		50	50	50		50	50	50	50	50		EN ISO 354 EN ISO 11654
	AWi	-		1	0.95	0.95		0.95	1	1	1	1		
Dynamic stiffness (s')	$d_N$	mm	80	80	50	50	80	50						EN 29052-1
	SDi	MN/m <sup>3</sup>	32	23	27	20	9	10						