

Characteristics		Norm	
<b>rated value compressive strenght</b> 10% compression (CS)	700 kPa	DIN EN 826	
<b>Continuous compressive strength</b> creep behavior 2% compression / 50 years (CC)	260 kPa	DIN EN1606	
<b>Earthquake approval</b> Stability under earthquake	yes	Z-23.34-2073	
<b>Bemessungswert Druckfestigkeit</b> 2% compression / 2 years (fcd)	siehe aBG	Z-23.34-2073	
<b>VOC-regulation (3)</b>	Particularly low in pollutants Emissionsclass A+	-	
<b>AgBB-Schemas 2018 (1)</b>	Particularly low in pollutants fulfills	-	
<b>Thermal conductivity</b>		DIN EN 13164	
50 mm	0,034 W/(mK)		
60 mm	0,035 W/(mK)		
80 - 120 mm	0,037 W/(mK)		
140 mm	0,040 W/(mK)		
160 mm	0,042 W/(mK)		
<b>Behaviour under compressive</b>	dx	DIN 4108-10	
<b>thickness tolerance</b>		DIN EN 823	
< 50 mm	-2/+2 mm		
60 mm ≤ 120 mm	-2/+3 mm		
> 120mm	-2/+6 mm		
<b>Dimensional stability</b> 70°C und 90 % r.F.	≤ 5%	DIN EN 1604	
<b>Deformation behavior</b> load 40 kPa und 70°C	≤ 5%	DIN EN 1605	
<b>Reaction to fire</b> Euroclass	Class E	DIN EN 13501-1	
<b>Reaction to fire</b> building material class	B1	DIN 4102	
<b>Water absorption</b> Vol % Long time test total immersion	≤ 0,7%	DIN EN 12087	
<b>Water absorption</b> Vol % Long time test by diffusion	≤ 3,0%	DIN EN 12088	
<b>Water absorption</b> Vol % freeze-thaw resistance	≤ 1%	DIN EN 12091	
<b>CE-key</b>	XPS-EN 13164-T1-CS(10/Y)700-DS(70,90)-CC(2/1,5/50)260-DLT(2)5-WL(T)0,7-WD(V)3-FTCD1-TR200		
<b>Form of delivery</b>	<b>Longboard</b>		<b>Shortboard</b>
<b>Plate size</b>	615 mm x 2415 mm		615 mm x 1265 mm
<b>Laying size</b>	600 mm x 2400 mm		600 mm x 1250 mm
<b>Delivery thickness</b>	Plates per package	m <sup>2</sup> per package	Delivery on request
50mm	8	11,52	
*60mm	7	10,08	
*80mm	5	7,20	
*100mm	4	5,76	
*120mm	3	4,32	
140mm	3	4,32	
160mm	2	2,88	

\*ETA-17/0912 European Technical Assessment  
 \*Z-23.34-2073 General type approval for the application "load-bearing foundation plate"  
 \*Z-23.33-2069 General type approval for the application , Perimeter insulation system"  
 \*Z-23.31-2101 General type approval for the application , inverted roof"  
 aBG= general type approval