

Sundolitt XPS 300 kPa shiplap

Shortboard + Longboard



Technical data and dimensions

09.2022

Characteristics		Norm		
rated value compressive strength 10% compression (CS)	300 kPa	DIN EN 826		
Continuous compressive strength creep behavior 2% compression / 50 years (CC)	145 kPa	DIN EN1606		
Earthquake approval Stability under earthquake	yes	Z-23.34-2073		
measured value compressive strength 2% compression / 2 years (fcd)	see aBG	Z-23.34-2073		
VOC-regulation (3)	Particularly low in pollutants Emissionsklasse A+	-		
AgBB-Schemas 2018 (1)	Particularly low in pollutants fulfills	-		
Thermal conductivity 30 - 40 mm 50 - 60 mm 80 - 120 mm 140 - 160 mm	 0,037 W/(mK) 0,033 W/(mK) 0,037 W/(mK) 0,041 W/(mK)	DIN EN 13164		
Behaviour under compressive	dh	DIN 4108-10		
thickness tolerance < 50 mm 60 mm ≤ 120 mm > 120mm	 -2/+2 mm -2/+3 mm -2/+6 mm	DIN EN 823		
Modulus of elasticity long term E50	6000 kPa	DIN EN 826		
Dimensional stability 70°C und 90 % r.F.	≤ 5%	DIN EN 1604		
Deformation behavior load 40 kPa und 70°C	≤ 5%	DIN EN 1605		
Reaction to fire Euroclass	class E	DIN EN 13501-1		
Reaction to fire building material class	B1	DIN 4102		
Water absorption Vol % Long time test total immersion	≤ 0,7%	DIN EN 12087		
Water absorption Vol % Long time test by diffusion	≤ 3,0%	DIN EN 12088		
Water absorption Vol % freeze-thaw resistance	≤ 1%	DIN EN 12091		
CE-key	XPS-EN 13164-T1-CS(10/Y)300-DS(70,90)-CC(2/1,5/50)145-DLT(2)5-WL(T)0,7-WD(V)3-FTCD1-TR200			
Form of delivery	Shortboard		Longboard	
Plate size	615 mm x 1265 mm		615 mm x 2415 mm	
Laying size	600 mm x 1250 mm		600 mm x 2400 mm	
Delivery thickness	Plates per package	m ² per package	Plates per package	m ² per package
30mm	14	10,5	14	20,16
40mm	10	7,5	10	14,40
*50mm	8	6	8	11,52
*60mm	7	5,25	7	10,08
*80mm	5	3,75	5	7,20
*100mm	4	3	4	5,76
*120mm	3	2,25	3	4,32
*140mm	3	2,25	3	4,32
*160mm	2	1,5	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