LITEC® Bausysteme

LINZMEIER Bauelemente

LINIREC

LINIREC – building panels

technical data:

characteristic	unit	parameter and indicated value	norm
Material	-	highly compressed, insulating construction material based on PU-rigid foam according to DIN EN 13165	-
gross density	kg/m³	550 ± 40	DIN EN 1602
fire behaviour	EU	E / D-s3, d0 [1)]	DIN EN 13501-1
	D	B2	DIN 4102-1
	CH	5.3	BKZ
thermal conductivity λ [measuring value]	W/(mK)	0,087	EN 12667
thermal conductivity λ_B [calculation value according Z1-202.0-01-01/15]	W/(mK)	0,096	DIN 4108-4
compressive strength σ_{D10}	MPa	≥ 7,1	DIN EN 826
max. acceptable permanent compressive strength σ_{D2}	MPa	≥ 1,8	-
bending strength	MPa	4,5 [1)]	DIN EN 12089
E-Modul (modulus of elasticit	MPa	30 [1)]	DIN EN 12089
transverse strength	MPa	1 - 1,5 [2)]	DIN EN 12090
shear strength	MPa	1 - 1,5 [2)]	DIN EN 12090
Screw tightening strength		woodscrew 6x60	
surface extraction	N/mm²	11,35 [1)]	
extraction on small side	N/mm²	8 [1)]	DIN EN 14358
header draught	N/mm²	0,8 [1)]	
thickness swelling	%	0,8 [2)]	DIN EN 68763
moisture absorption	Mass.%	≤ 3	DIN ISO 12571
water absorption	kg/m²	≤ 0,5	DIN EN 1609
Water vapor diffusion resistance factor	-	8	EN 12086
linear expansion coefficient	1/K	$5 \cdot 10^{-5}$ [1)]	
thickness	mm	12, 15, 17, 20, 22, 25, 27, 30, 40, 50, 60	DIN EN 823
dimension	mm	1220 x 2440	DIN EN 822

1) Preliminary examination - not part of the third-party inspection and factory production control
2) laboratory test

The recommendations are given for the best knowledge of the state of the art. They are not a guarantee for faultless processing of our products . Our technical- / assembly recommendations are schematic information for the buyer / user . They are not binding and do not claim to be fundamental validity , nor does it constitute a warranty claim . Each building has different requirements. Therefore it has to be proceeded according to the rules of construction engineering in a building specific principle .

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