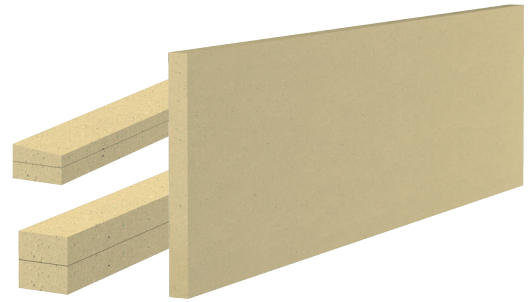


## Technical data

# LINIREC Building panel



Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	-	-	Highly compressed, insulating construction material based on PU rigidfoam according to DIN EN 13165	-
Gross density	$\rho$	kg/m <sup>3</sup>	550 ±40	EN 1602
Fire behaviour	-	-	Class E	EN 13501-1
Thermal conductivity (EU)	$\lambda_D$	W/(mK)	20 mm < d ≤ 40 mm    0.083 40 mm < d ≤ 60 mm    0.085 d > 60 mm                0.088	EN 12667
Compressive stress	$\sigma_{D10}$	MPa	≥ 7.1	EN 826
Max. permitted permanent compressive stress	$\sigma_{D2}$	MPa	≥ 1.8	-
Bending strength	-	MPa	4.5 <sup>1)</sup>	EN 12089
E-Modul (Modulus of elasticity)	-	MPa	30 <sup>1)</sup>	EN 12089
Transverse strength	-	MPa	1.0 to 1.5 <sup>2)</sup>	EN 12090
Shear strength	-	MPa	1.0 to 1.5 <sup>2)</sup>	EN 12090
Screw tightening strength	-	-	Woodscrew 6 x 60	-
Surface extraction	-	N/mm <sup>2</sup>	11.35 <sup>1)</sup>	-
Extraction on small side	-	N/mm <sup>2</sup>	8.0 <sup>1)</sup>	EN 14358
Header draught	-	N/mm <sup>2</sup>	29.0 <sup>1)</sup>	-
Thickness swelling	-	%	≤ 0.8 <sup>2)</sup>	EN 68763
Moisture absorption	-	Mass. %	≤ 3	DIN ISO 12571
Water absorption	-	kg/m <sup>2</sup>	≤ 0.5	EN 1609
Water vapor diffusion resistance factor	$\mu$		8	EN 12086
Linear expansion coefficient	-	K <sup>-1</sup>	5 x 10 <sup>-5</sup> <sup>1)</sup>	-
Thickness	-	mm	15 <sup>3)</sup> , 20, 25, 30, 40, 50, 60	EN 823
Dimension	-	mm	1220 x 2440	EN 822

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

2) Laboratory test

3) Thicknesses < 20 mm are not monitored - Deviations of the technical data are reserved.

Our brochures and information material are meant to provide advice to the best of our knowledge. Subject to technical modifications.