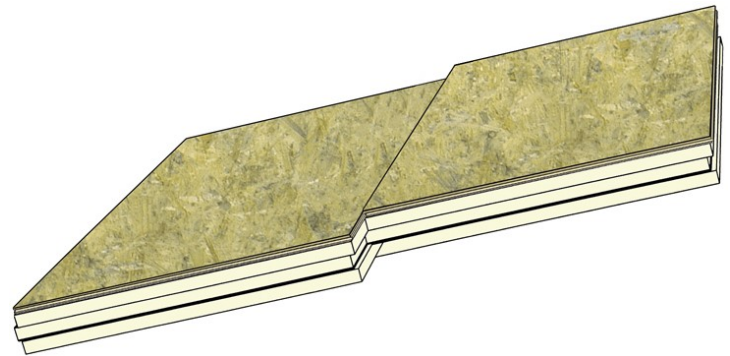


The insulation system under metal

LINITHERM PAL OSB,
 technical data of insulation board



Characteristic	Symbol	unit	Parameter and measured value	Norm
Material	-	-	Polyurethan-Rigid Foam (PUR/PIR), faced with Aluminium Foil on both sides	-
Identification	-	-	PUR-EN 13165-T2-DS(TH)9-CS(10\Y)100	DIN EN 13165
bulk density	ρ	kg/m ³	≥ ca. 33	-
Fire behaviour	-	-	Class E	DIN EN 13501-1 DIN 4102
Thermal Conductivity	λ_D	W/(mK)	0,023	EN 13165
Compression stress	σ_{D10}	N/mm ²	≥ 0,10 (at 10% compression)	EN 826
Specific Heat Capacity	c	J/(kg·K)	1400	EN 12524
Water Vapor Diffusion Resistance	s_d	m	Aluminium Foil in plain practically vapor tight $s_d > 1500m$	EN 12524
water absorption PUR/PIR after 28 days under water storage	-	Vol-%	1,0 to 2,5	EN 12087
Resistance of PUR/PIR	-	-	chemical resitant against benzin, diesel, mineral oil, micro organism, mildew, rotting	-
Thickness incl. 22 mm OSB-Board	-	mm	102, 122, 142, 162, 182	-
Edge Connection	-	-	ringsum N+F-Klemm-Press-Verbindung	-
Overall Dimensions (= calculation measurement)	-	mm	2420 * 580	-

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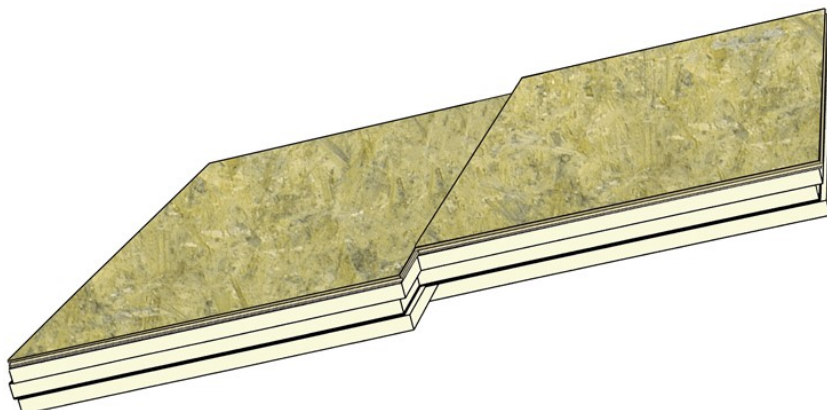
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Technical Data of the OSB-Board from LINITHERM PAL OSB

Characteristic	Symbol	unit	Parameter and measured value	Norm
Material	-	-	Derived timber product OSB 4	-
Surface Finish	-	-	ContiFinish Surface	-
Bulk Density	ρ	kg/m ³	600	DIN 52361
Fire Behavior	-	-	Class E	DIN EN 13501-1
Thermal Conductivity	λ_B	W/(mK)	0,13	DIN EN 12524
Emission Class	-	-	Bonding free from formaldehyde , E1	-
Derived Timber Product	-	-	100	-
Moisture Expansion	-	%	≤ 12	DIN 52364
Water Vapor Diffusion Resistance	μ	-	400	DIN EN 13162
Nominal Thickness of Derived Timber Board	d	mm	22	-

Note: The above figures apply for the intended use of these products. They are based on the present state of our knowledge and does not constitute a guarantee of properties. Existing legislation / guidelines / rules are to be observed by the user on own responsibility.



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