

PROPERTIES	EN 13164 STANDARDS	FORM FB	WALL W	ROOF RF	FLOOR F	THERMO T	PANEL P
Sides types							
Surface		NOVANET™ with corrugations	Extrusion	Extrusion	Extrusion	NOVANET™	No skin, with corrugations
Length X Width		2500x600	2500x600	1250x600	2500x600	1250x600	2100x900
Compressive stress σ_{10} (kPa)	EN 826	200-300	200	300	500	200	200
Shear stress τ (kPa)	EN 12090	200	200	210	210	200	200
Shearing measure G (kPa)		1300	1300	1650	1650	1300	1300
Tensile strength σ_{mt} (kPa)	EN 1607	400	400	400	400	400	400
Thermal conductivity λ (W/mK)	EN 12667 or EN 12939	λ	λ	λ	λ	λ	λ
Thermal resistance R (m ² K/W)		R	R	R	R	R	R
20mm		-	-	-	-	0.033	0.61
30mm		0.033	0.91	0.032	0.94	-	-
50mm		0.033	1.52	0.032	1.56	-	-
70mm		0.034	2.06	0.033	2.12	-	-
80mm		0.034	2.35	0.033	2.42	0.032	2.50
100mm		0.034	2.94	0.033	3.03	0.032	3.12
Dimensional stability DS(23.90)%	EN 1604	≤0.5%	≤0.5%	≤0.5%	≤0.5%	≤0.5%	≤0.5%
Indicative Density ρ (kg/m ³)	EN 1602	32	32	34	34	32	32
Water vapour diffusion resistance μ	EN 12086	80~200	80~200	80~200	80~200	80~200	80~200
Long-term water absorption with partial immersion W_{ip} (Kg/m ²)	EN 12087	0,02	0.02	0.02	0.02	0.02	0.02
Non-combustibility class	EN 13501	E	E	E	E	E	E
Thickness tolerances		T1	T1	T1	T1	T1	T1

