

TECHNICAL DATA SHEET WOOD FIBRE INSULATION PANEL

Panels obtained by dry and wet process, based on a renewable resource, wood.
According to EN13171 standard



Panel *SteicoProtect*

- Support for SATE
- Very high strength and durability
- Excellent insulating properties in winter and summer
- Waterproof panels open to diffusion, optimal protection for construction
- Implementation instruction details available
- Softwood products: contribute to the protection of the planet thanks to the CO2 stored in the wood
- *Disadvantage: contains protecting agents against wood parasites*



Panel *SteicoFlex 036*

- The lowest thermal conductivity of semi-rigid fiberboard
- Increased strength thanks to optimized fiber structure
- Easily adapts to contour shapes, easy to use
- Does not irritate the skin
- Excellent protection against heat
- Very open to the diffusion of water vapor - protects the construction.
- Provides a healthy living environment
- Recyclable, ecological, respects the environment
- *Disadvantage: contains protecting agents against wood parasites*



Panel *SteicoFlex 038*

- Flexible thermal insulation
- Easy handling and classified as non-irritant to skin
- Good compression strength
- Expands to fit adjoining components
- Excellent insulation properties in winter and summer
- Water vapour open for a healthy room environment
- Helps to regulate the indoor climate
- Provides a green architectural solution
- Ecological and environmental-friendly, fully recyclable
- *Disadvantage: contains protecting agents against wood parasites*

M*: medium density

		ASPECT AND PROPERTIES TABLE			
Type		Protect		Flex 036	Flex 038
Size (mm)		600x1325	1250x2800	500x1350	575x1220 / 600x1220
Thickness (mm)		40,50,80,100	40,60,80	20	40,50,60,80,100,120,140,145,160,180,200,220,240
COMPOSITION					
Board density (kg/m3)		ent. 230(M*) / 265(H*)		ent. 60	ent. 50
Declared thermal conductivity λD	NF EN 12667	0,046(M*) / 0,048(H*)		0,036	0,038
Fire class according to	EN 13501-1	E			
Declared thermal resistance RD	NF EN 12667	1.70(80) / 2.15(100) (M*)	0,40(20)0.80(40)	1,10(40) / 1,35(50) / 1,65(60) / 2,2 0(80) / 2,75(100) / 3,30(120) / 3,85(140) / 4,00(145) / 4,40(160) / 5,00(180) 5,55(200) / 6,10(220) / 6,65(240)	1,05(40)/1,30(50)/1,55(60)/2,10(80)/2,60(100)/ 3,15(120)/3,65(140)/3,80 (145)/4,20(160)/4,70(180)/5,25(200), 5,75(220)/6,30(240)
Water vapour diffusion resistance factor μ		5		2	
Specific heat capacity c [J/(kg*K)]				2100	
Declared level of airflow resistance [(kPa*s)/ m²]		-		≥ 5	
Sd - value (thinkness in mm)		0,10(20) / 0,20(40) / 0,30(60) / 0,40(80) / 0,50(100)		- 0.08(40)/0.10(50)/0.12(60)/0.16(80)/0.20(100)/0.24(120)/0.28(140)/0,29 (145)/0.32(160)/0.38(180)/0.40(200)/0.44(200)/0.48(240)	
Raw material		wood fibre, aluminium sulphatem paraffin,bond between layers		wood fibres, polyolefin fibres, ammonium sulfate	
MECHANICAL QUALITIES					
Load perpendicular to the board plane					
Compression strength (KPa)		100(M*) / 150(H*)		-	-
Tensile strength perpendicular to face (KPa)		15(M*) / 20(H*)		-	-
Waste code (AVV)		030105 /170201			
Produced and supervised according to EN 13171		WF EN 13171 – T5 – DS(70/90)3 – CS(10 \ Y)100 – TR15(30) – WS1,0 – MU5		WF - EN 13171 - T3 - TR1 - AF5 - MU2	

H*: high density

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