

## 8. ROOFS

### Roof B reflect plus - therm and cement boards



Complete reflective ventilated system with self-leveling supports for thermoacoustic insulation in cement bonded particle boards and wood fiber

The complete natural insulation system for high performance wooden roofs B reflect plus reflective and ventilated with self-leveling supports is designed specifically to respond to the well-being and comfort in all climatic zones, with particular attention to the warmer ones. The system is characterized by excellent values of thermal, acoustic and breathability that reduce the formation of mold.

STRATIGRAPHY	DESCRIPTION	QUANTITY m <sup>2</sup>	PRICE €/m <sup>2</sup>	AMOUNT	
1	Reflective layer White reflective film				
2	Waterproofing composed of (from top to bottom): 2a. Sika MonoTop X1 Monocomponent cementitious mortar 2b. Sika Reemat Premium Fiberglass mat 2c. Sikadur Combi ex SG Elastic waterproofing tape for joints 2d. Sikalastic 612 Polyurethane for walkable roofing			0	
3	Cement bonded particle boards BetonWood thickness 22 mm Pressed cement bonded particle boards with high compactness, density and hardness, resistant to fire, to atmospheric agents, with excellent thermal and acoustic insulation characteristics. The panels are made of Portland-type concrete conglomerate and high-density debarked Pine wood fibre ( $\delta=1350 \text{ Kg/m}^3$ ) and with the following thermodynamic characteristics: coefficient of thermal conductivity $\lambda=0,26 \text{ W/mK}$ , specific heat $c=1.88 \text{ KJ / Kg K}$ , coefficient of resistance to vapor penetration $\mu=22,6$ and fire reaction class A2-fl-s1, according to EN 13501-1. The dimensions are ... mm for a thickness of ... mm.			0	
4	SB adjustable supports Supports for overhead ventilated roofs, "Basic" type, adjustable in height. The supports are made of polypropylene composed of a support base with a minimum diameter of mm and a head screw having a height varying from 27 mm to 120 mm. In the base there are holes for the water flow in 4 "guide lines "To facilitate cutting.			0	
5	Cement bonded particle boards BetonWood thickness 22 mm Pressed cement bonded particle boards with high compactness, density and hardness, resistant to fire, to atmospheric agents, with excellent thermal and acoustic insulation characteristics. The panels has the following thermodynamic characteristics: density $\delta=1350 \text{ Kg/m}^3$ , coefficient of thermal conductivity $\lambda=0,26 \text{ W/mK}$ , specific heat $c=1.88 \text{ KJ / Kg K}$ , coefficient of resistance to vapor penetration $\mu=22,6$ and fire reaction class A2-fl-s1, according to EN 13501-1. The dimensions are ... mm for a thickness of ... mm.			0	
6	Wood fiber panels Fibertherm 160 (2 layers) available thickness: 60+80 mm The panels are made of wood ber with density $\delta=160 \text{ Kg/m}^3$ , are produced with a wet system, in compliance with EN 13171 and EN 13986 standards under constant quality control. The material has the following thermodynamic characteristics: coefficient of thermal conductivity $\lambda=0.039 \text{ W/mK}$ , specific heat $c=2100 \text{ J/Kg K}$ , coefficient of resistance to vapor penetration $\mu=5$ and reaction to fire class E, according to EN 13501-1 standard. The dimensions are ... mm for a thickness of ... mm. The wood comes from forests controlled by FSC reforestation cycles.			0	
7	Steam brake FiberTherm multi membra 5 Steam brake for better airtightness on the outer side of the roof, resistant to UVrays, excellent adhesion properties and tear resistance. Size: 1,50 mx50 m Roll surface: 75m <sup>2</sup> Weight approx.110 g/m <sup>2</sup>			0	
8	Matchboard Matchboard thickness of 25 mm				
		TAX IVA 22%	0	TAXABLE	0
				TOTAL AMOUNT	0