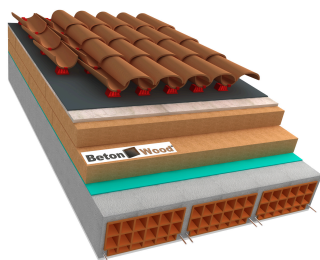



11. ROOFS

Roof C - therm and cement bonded particle boards



Ecological roof building system for thermo-acoustic insulation with cement bonded particle boards and wood fiber Therm

Complete dry system for high-displacement thermal roofs with BetonWood cement bonded particle boards and Fibertherm wood fiber insulation panels on concrete. Excellent system for thermo-acoustic insulation of roofs.

STRATIGRAPHY	DESCRIPTION	QUANTITY m ²	PRICE €/m ²	AMOUNT	
1	Roof tiles Roof tiles				
2	Support-Spacer type Aercoppo An original element, weighing 36 g, made of polypropylene copolymer stabilized to U.V.A. rays, with the function of raising and anchoring, to be applied on the back of each tile roof. It creates, therefore, a true ventilation chamber of 600 cm ³ /m underlay, raising the channel tile only 3.5 cm from the laying surface.			0	
3	Anti-steam barrier FiberTherm multi UDB High airtight sealant vapor barrier for renovation solutions. Extreme ease of installation for safe and simple use. It has an integrated adhesive strip to secure joints and can be used as a temporary cover. Size: 1,50 m x 50 m Roll surface: 75m ² Weight approx.160 g/m ²			0	
4	Cement bonded particle boards BetonWood available thicknesses: 16 mm 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 fiber ($\delta=1350 \text{ Kg/m}^3$) 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 of the panel correspond to ... mm for a thickness of ... mm. The wood used in panel processing comes from forests controlled by FSC reforestation cycles and pressed with water and hydraulic binder (Portland cement) with high cold compression ratios.			0	
5	Wood fiber panels Fibertherm 160 (2 layers) available thicknesses: 60+60 mm 80+80 mm 100+100 mm Thermal-acoustic insulation in wood fiber. 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 is characterized by 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 of the panels correspond to ... mm for a thickness of ... mm. The wood used in the processing of the panels comes from forests controlled by FSC reforestation cycles.			0	
6	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 ² Weight approx.110 g/m ²			0	
7	Concrete roof Concrete structure with slats and hollow bricks thickness 200+40 mm				
		TAX IVA 22%	0	TAXABLE	0
				TOTAL AMOUNT	0
 <p>The functionality of the system will be covered by a BetonWood guarantee for the characteristics of air tightness, water proofing and isolation of the technological package. The warranty will be documented with the appropriate Certificate and Certificate of Assurance that will be delivered at the end of the work to the DD.LL. from the same layer. The forms are available on the BetonWood website as well as the technical indications, the application matrix and the exclusion clauses.</p>					