



## 20. ROOFS

### Roof F - therm renovation

Ecologic complete system for thermo-acoustic insulation of false ceilings with high performance Fibertherm wood fiber panels

Complete system of natural insulation for high performance concrete roofs, Roof therm F is designed to obtain maximum comfort in renovating existing structures with non-breathable sheaths on the outside.

STRATIGRAPHY	DESCRIPTION	QUANTITY m <sup>2</sup>	PRICE €/m <sup>2</sup>	AMOUNT	
1	Roof tiles	Roof tiles			
2	Bituminous sheath	elastoplastomeric compound waterproofing membrane (BPP), characterized by a cold exibility of -5°C/-10°C/-15°C, reinforced polyester reinforced. The product has a good mechanical strength, considerable dimensional stability and is not sensitive to seasonal climatic variations.			
3	Existing roof	Existing roof usually in joints and hollow bricks with thickness of 200 + 40 mm			
4	Hangers	Anti-fire carrier with slots for the pendulum and snap-on coupling + adjustable metal spring			
5	Wood fiber panels Fibertherm 160 variable thickness	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 are ... 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	Empty space	Empty space of variable thickness (depending on the needs) for the passage of the installations			
7	Double non-overlapping metal frame	Main supporting pro le in galvanized steel, coated with anti-corrosion pre-painted aluminum foil, suitably hung by a rigid galvanized steel rod and adjustable metal spring, so as to obtain perfect atness and alignment of the suspended ceiling system			
8	False ceiling	False ceiling in plasterboard panels or similar			
		TAX IVA 22%	0	TAXABLE	0
				TOTAL AMOUNT	0