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.

Roof tiles Roof tiles 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 rool. It reseates, therefore, a true ventilation chamber of 500 cm²/m underlay, raising the channel tile only 3.5 cm from the laying surface. Anti-steam barrier FiberTherm multi UDB I this arright sealant vapor barrier for renovation solutions. Extreme ease of installation for safe and simple use. It has an integrated adhesive strip to secure (pints and can be used as a temporary cover. Size: 1.50 m x 50 m Roll surface: 75 m² Weight approx.160 g/m² Pressed cement bonded particle boards with high compactness, density and hardness, resistant to fire, to atmospheric agents, with excellent thermal and available thicknesses; to substitute the controlled by RSC reforestation (p. 22, bas M/m, specific heat c= 1.88 KJ / 8 g. bas M/m and with the following thermodynamic characteristics: coefficient of thermal conductivity A=0.25 W/m.K. specific heat c= 1.88 KJ / 8 g. bas M/m and with the following thermodynamic characteristics: coefficient of thermal conductivity A=0.25 W/m.K. specific heat c= 1.88 KJ / 8 g. bas M/m and with the following thermodynamic characteristics: coefficient of the panel correspond to min for a thickness of min. The wood used in panel processing comes from forests controlled by FSC reforestation cycles and presed with water and hydraulic binder (Portland cement) with high cold compression ratios. Thermal-acoustic insulation in wood fiber. The panels are made of wood ber with density 6=160 Kg/m², are produced with a wet system, in compliance with RN 13171 and RN 13986 standards under the controlled by FSC reforestation cycles and presed with water and the excellent themselves and the controlled by FSC reforestation cycles and presed with a wet system, in compliance with RN 13171 and RN 13986 standards under the panels are made of wood ber with density 6=160 Kg/m², are produced with a we		STRATIGRAPHY	DESCRIPTION	QUANTITY m²	PRICE €/m²	AMOUNT
stabilized to U.V.A. rays, with the function of raising and anchoring, to be purposed type Aercoppo the panels of the back of each tile roof. It creates, therefore, a true ventilation chamber of 600 cm²/m underlay, raising the channel tile only 3.5 cm from the laying surface. High airlight 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 90 m. Roll surface: 75m² Welght approx.160 g/m² 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 fibe (backnesses: 16 mm) and with the following thermodynamic characteristics: coefficient of themsal conductivity A-0,26 W/mK, specific heat c=1.88 KL/ Rg K, coefficient of resistance to vapor penetration µ=2.26 and fire reaction can be used as a valiable thicknesses: 15 mm 22 mm Thermal-acoustic insulation in wood fiber. The panels are made of wood ber with density 6–160 Kg/m², are produced with water and hydraulic binder (Portland cement) with high cold compression craitos. The panels are made of wood ber with density 6–160 Kg/m², are produced with a wet system, in compliance with the 13171 and EN 1396 Standards under constant quality control. The material is characterized by the following themsodynamic characteristics: coefficient of thermal conductivity A-0.039 W/mK, specific heat e=2100 J/Kg K, coefficient of resistance to vapor penetration µ=5 and reaction to fire dass 5, according to EN 1350-11 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. Steam brake for better airtightness on the outer side of the roof, resistant to UVrays, excellent a	1	Roof tiles	Roof tiles			
Anti-Steam barder FiberTherm multi UDB Cement bonded particle boards BetonWood available thicknesses: 16 mm 22 mm Wood fiber panels Fibertherm 1600 (2 layers) available thicknesses: 60+60 mm 80+80 mm 100+100 mm Steam brake FiberTherm multi membra 5 Steam brake FiberTherm multi uDB 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 fibe (6-1350 Kg/m²) and with the following thermodynamic characteristics: coefficient of thermal conductivity \(\lambda \) 0.26 W /MK, specific heat c= 1.88 KJ / Kg K, coefficient of resistance to vapor penetration \(\mu = 2.6 \text{ mm} \) Kg K, coefficient of thermal conductivity \(\lambda \) 0.25 to M/mK, specific heat c= 1.88 KJ / Kg K, coefficient of resistance to vapor penetration \(\mu = 2.6 \text{ mm} \) Kg K, coefficient of thermal conductivity \(\lambda \) 0.25 to M/mK, specific heat c= 1.88 KJ / Kg K, coefficient of resistance to vapor penetration with thingh cold compression ratios. Thermal-acoustic insulation in wood fiber. The panels are made of wood ber with density \(\lambda = 160 \text{ Kg/m}^*, \text{ are produced with a wet system, in compliance with N 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 J/Kg K, coefficient of thermal conductivity \(\lambda = 0.039 \text{ W/mK}, specific heat c=2100 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	2		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 cm²/m underlay, raising the channel tile only 3.5 cm from			0
Cement bonded particle boards Beton/Wood available thicknesses: 16 mm 22 mm Wood fiber panels Fibertherm 160 (2 layers) available thicknesses: 60+60 mm 80+80 mm 100+100 mm 100+100 mm 100+100 mm 27 Concrete roof Concrete structure with slats and hollow bricks thickness 200+40 mm TAX IVA 22% Concrete roof Concrete structure with slats and hollow bricks thickness 200+40 mm TAX IVA 22% Concrete roof Concrete structure with slats and hollow bricks thickness 200+40 mm	3	FiberTherm multi	installation for safe and simple use. It has an integrated adhesive strip to secure joints and can be used as a temporary cover.			0
Wood fiber panels Fibertherm 160 (2 layers) available thicknesses: 60+60 mm 80+80 mm 100+100 mm 100+100 mm 60 FiberTherm multi membra 5 Concrete roof Concrete structure with slats and hollow bricks thickness 200+40 mm TAX IVA 22% O TAXABLE O TAXAB	4	particle boards BetonWood available thicknesses: 16 mm	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 fibe (δ =1350 Kg/m³) and with the following thermodynamic characteristics: coefficient of thermal conductivity λ =0,26 W/mK, specific heat c=1.88 KJ / Kg K, coefficient of resistance to vapor penetration μ =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			0
6 FiberTherm multi membra 5 to UVrays, excellent adhesion properties and tear resistance. Size: 1,50 mx50 m Roll surface: 75m² Weight approx.110 g/m² 7 Concrete roof Concrete structure with slats and hollow bricks thickness 200+40 mm TAX IVA 22% 0 TAXABLE 0	5	Fibertherm 160 (2 layers) available thicknesses: 60+60 mm 80+80 mm	The panels are made of wood ber with density δ =160 Kg/m³, 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 λ =0.039 W/mK, specific heat c=2100 J/Kg K, coefficient of resistance to vapor penetration μ =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			0
TAX IVA 22% 0 TAXABLE 0	6	FiberTherm multi	to UVrays, excellent adhesion properties and tear resistance.			0
	7	Concrete roof	Concrete structure with slats and hollow bricks thickness 200+40 mm			
TOTAL AMOUNT 0			TAX IVA 22%	0	TAXABLE	0
				TO	OTAL AMOUNT	0

Beton Wood®

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.