

18. FLOORS

Elevated floor Betonwood TG on Betonstyr

Complete dry system for elevated floors with high density BetonWood TG cement bonded particle boards with adjustable supports on insulating Betonstyr panels



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Excellent construction system for high performance floating floors.

STRATIGRAPHY	DESCRIPTION	QUANTITY m ²	PRICE €/m ²	AMOUNT	
1 Floor	Parquet, tiles, gres				
2 Self-leveling mortar Betonultraplan	Self-leveling mortar for interiors of cement substrates, concrete slabs, ceramic floors, tiles, natural stone, by applying quick-setting self-leveling cement product. The technical characteristics: density of the mixture 1900kg/m ³ ; flexural strenght 8,0 N/mm ² (a 28 gg); compressive strenght 30,0 N/mm ² (a 28 gg); abrasion resistance - grindstone H22 - 550g-200 rounds: 0,7 (a 28 gg); thickness 1-10 mm; consumption 1,6 kg/m ² per mm			0	
3 Cement bonded particle boards BetonWood tongue&groove	Pressed cement bonded particle boards with high compactness, density and hardness, resistant to fire, to atmospheric agents, with excellent thermal and acoustic insulation characteristics, with tongue&groove edges. The panels are made of Portland-type concrete conglomerate and debarked Pine wood fiber: high density $\delta=1350$ Kg/m ³ , coefficient of thermal conductivity $\lambda=0,26$ W/mK, specific heat $c=1.88$ 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. The wood comes from forests controlled by FSC reforestation cycles.			0	
4 Adjustable supports	Adjustable Floor Stands have anti-noise rubber head, specific adjustment key, variable heights, pre-cut base for wall corner cutting. Possibility to adjust the height millimetrically (adjustable from 25 to 270 mm), in favor of a perfect leveling of the flooring.			0	
5 Coupled panels BetonStyr XPS	Beton Styr XPS is an extremely versatile product as it is suitable for many building applications, because the advantages of two materials are combined in one coupled: on one side a material with a high mass and high compressive strength, the BetonWood cement bonded particle boards high density, indispensable for obtaining an adequate thermal displacement and a great noise reduction, on the other an extruded polystyrene panel characterized by lightness, high insulating capacity and easy processing. The cement bonded particle board has the following thermodynamic characteristics: density 1350 kg/m ³ , coefficient of thermal conductivity $\lambda=0.26$ W/mK, specific heat $c=1.88$ KJ/kg K, coefficient of resistance to vapor penetration $\mu=22.6$ and reaction class to A2 fire, according to EN 13501-1. The extruded polystyrene is characterized by the following thermodynamic characteristics: density 15÷35 Kg/m ³ , coefficient of thermal conductivity $\lambda=0,026\div0,036$ W/mK, specific heat $c = 1,450$ J/Kg K, coefficient of resistance to vapor penetration $\mu=50 \div 100$. Both materials are CE certified.			0	
6 Foundation	Existing or new building foundation				
		TAX IVA 22%	0	TAXABLE	0
				TOTAL AMOUNT	0