



19. FLOORS

Elevated floor Betonradiant and Betonstyr

Complete dry system for elevated floors with high density Betonradiant radiant panels with adjustable supports on insulating Betonstyr panels

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Excellent construction system for floating radiant 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 Radiant panels Betonradiant	Beton Radiant is a modular radiant heating system for the construction of radiant floors and consists of two cement bonded particle boards: one of these is milled to house pipes for radiant floor heating systems, while the other forms the underlying layer. The top panel after laying the pipes is suitable for any surface finish coating. The two panels are coupled in the factory with a patented system and the wood used in their processing comes from FSC forests controlled by reforestation cycles and pressed with water and hydraulic binder (Portland cement) with high cold compression ratios. These panels have the following thermodynamic characteristics: density 1350 kg/m ³ , coe cient 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 reaction class to A2 fire, according to EN 13501-1. The panels size is ... mm and the thickness is ... mm.			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 , coe cient 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 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 λ=0,026÷0,036 W/mK, specific heat c = 1,450 J/kg K, coefficient of resistance to vapor penetration μ=50 ÷ 100. Both materials are CE certified.			0	
6 Foundation	Existing or new building foundation				
		TAX IVA 22%	0	TAXABLE	0
				TOTAL AMOUNT	0