Reinforced thermal insulation betontherm fiber

Reinforced thermal and acoustic insulation systems for external walls
with cement bonded particle boards and wood fiber Betontherm fiber

Complete reinforced external thermal composite system with high performances
Betontherm fiber in cement bonded particle boards and wood fiber, ETA certified.
Complete supply of: insulation system, skimming and fixing accessories.

	STRATIGRAPHY	DESCRIPTION	QUANTITY m²	PRICE €/m²	TOTAL
1	Wall	Masonry, wood, or X-Lam wall			
2	Angular starter base Beton DripStarter PVC	PVC profile with thermosealed glass fiber mesh 165 gr / m2 certified ETAG004. Sealed connection between the starting base and the armed skimming layer. It interrupts the flow of water avoiding infiltrations. Prevents cracking in the plinth area. Size 2,5x0,125 m. 25 pieces/package.			0
3	Anti-humidity panel Styr XPS - Optional	Starting panel in Styr XPS extruded polystyrene that protects the panels from rising damp coming from the bottom. Height h30 cm			0
4	Reinforced insulation composite system BetonTherm Fiber	A cement bonded particle board is the high-density (δ=1350 Kg/m3) layer and is made of Portland-type concrete conglomerate and debarked pine wood fiber, and it has the following thermo-dynamic characteristics: thermal conductivity coefficient λ=0,26 W/mK, specific heat capacity c=1,88 KJ/Kg K, coefficient of resistance to vapor penetration μ=22,6 and fire reaction class A2, according to the standard EN 13501-1. The other panel constitutes the insulating layer and is made of wood fiber produced with a wet system, according to the standards EN 13171 and EN 13986 under constant quality control. It is characterized by the following thermo-dynamic characteristics: thermal conductivity coefficient λ=0,039 W/mK, specific heat capacity c=2.100 KJ/Kg K, coefficient of resistance to vapor penetration μ=5 and fire reaction class E, according to the standard EN13501-1. The wood used in panel processing comes from forests controlled by FSC reforestation cycles.			0
5	BetonFix FIF-CS8 or BetonFix 6H-NT (depends on the suppert type)	ON MASONRY - BetonFix FIF-CS8 The composite screw minimizes the thermal bridge so that no traces appear on the façade. Less bit wear and puncture time thanks to a minimum installation depth of 35 mm in the support. The disc adapts perfectly to the insulation allowing the application of thin skimming layers. or ON WOOD - BetonFix 6H-NT Pre-assembled fastening with the Power-Fast certified screw. This guarantees a secure grip on the support material. The minimum screwing depth of 30 mm ensures fast assembly. It is not necessary to pre-drill.			0
6	Glue/skimming layer Beton AR1	Monocomponent cementitious mortar for bonding and smoothing thermal insulation panels and Betontherm system. • 4,0 - 6,0kg/m2 depending on the bonding technique. • 1,35-1,55kg/m2 per mm of thickness as skimming layer			0
7	Net BetonGlass 360	The net has density 360 g/m3 and complies with the ETAG004 Guideline for ETICS, as certified by IFBT GmbH-MFPA Leipzing GmbH. It is suitable for internal and external armored thermal insulation (suitable for any type of BetonTherm product). 50 m2 rolls.			0
8	Glue/skimming layer Beton AR1	Monocomponent cementitious mortar for bonding and smoothing thermal insulation panels and Betontherm system. • 4,0 - 6,0kg/m2 depending on the bonding technique. • 1,35-1,55kg/m2 per mm of thickness as skimming layer			0

	IVA 22%	0	TAXABLE	0
			TOTAL AMOUNT	0

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.