

Diathonite Thermostep.047

Ultra-light and resistant bio-mortar (type Diathonite Thermostep.047), fibre-reinforced with cork (grain size 0-3 mm), clay, diatomaceous earth and hydraulic binder. Ideal for the realization of thermal screeds for the insulation of floors, ceilings and ventilated roofs. As it is ultra-light, it provides thermal insulation without weighing down existing floors and structures. Well-compacted and levelled, it can be used indoors and outdoors, on new buildings and for renovations; ideal for flooring. Suitable for creating thermal insulation for residential and public buildings, hotels, conference halls and all rooms that need to be insulated from the rooms below. Can be used both on existing floors and on new buildings. Pre-mixed product in bags which has CE marking (EN 13813) and contributes to LEED[®] credits. Minimum required characteristics: Compressive strength 5 MPa; Thermal conductivity (λ) 0.047 W/mK; Specific heat (c) 1000 J/kgK = 0.239 kcal/kg°C; Vapour resistance $\mu= 4$; Density 380 kg/m³.

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