

Diathonite Screed

Thermal, insulating and lightweight screed (such as **Diathonite Screed**), fibre-reinforced with cork (grain size 0 – 3 mm / 0 – 0.12 inches), clay, diatomaceous earth and hydraulic binder. Ideal for the realization of thermal screeds for the insulation of floors, ceilings and ventilated roofs. Since it is lightweight, 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 renovations; ideal for flooring. Ready-to-use screed for indoor and outdoor applications. Suitable for making thermal screeds for residential and public buildings, hotels, conference halls and all rooms that need to be insulated from the rooms below. It can be used both on existing floors and on new constructions. It can be used both on existing floors and on new constructions. *Diafon + Diathonite Screed* system allows to isolate the floor from footstep noise and vibrations. Pre-mixed product packaged in bags, which benefits from double CE marking (EN 998-1, EN 998-2) and contributes to LEED[®] credits. Minimum required characteristics: Compressive strength > 10.0 N/mm² | > 1450.4 lbf/in² (psi); Tensile strength > 2.0 N/mm² | > 290.0 lbf/in² (psi); Thermal Conductivity (λ) 0.060 W/mK; Specific heat capacity (c) 1000 J/kgK = 0,239 kcal/kg°C; Vapour permeability Coefficient $\mu=4$; Bulk density of dry mortar 800 \pm 10% kg/m³ | 50 10% lb/ft³ ; Fire reaction – Class A1.

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