

# Latermix Cem Mini



## A MULTIPURPOSE LIGHTWEIGHT INSULATING CONCRETE

FOR USE AS A BASE SCREED OR BACKFILL, AS A TOP SCREED, OR FOR CREATING FALLS ON FLAT ROOFS WITH A DIRECTLY APPLIED TOP FINISH

Latermix Cem Mini is a bagged, pre-mixed semi-fluid lightweight insulating concrete with a closed structure based on special Laterlite Plus fine-grained hydrophobic expanded clay, and is ready for use after mixing with only water.

### CHARACTERISTICS

#### Multipurpose

Latermix Cem Mini can be used as a substrate, for incorporating services in floors, as a base or top screed, or for creating falls on flat roofs. Because of its closed surface, an impermeable layer or ceramic and stone paving can be laid on it directly.

#### Lightweight

It weighs approx. 600 Kg/m<sup>3</sup> when laid: less than one third the weight of traditional or flowing screeds and less than a quarter of that of structural concrete. It reduces dead loading and is particularly suitable for reconstructing existing floors, vaults, and roofs, or to prevent excessive loading in seismic zones.

#### Strong, stable, durable, and CE-marked

It has high compressive strength (5 MPa), is CE-marked to denote conformity to EN 13813 (screed materials and floor screeds), is dimensionally stable and non-deformable, and retains its properties unaltered over time.

#### Insulating characteristics

It is 10 times more insulating than traditional concrete products ( $\lambda = 0.142$  W/mK), can be used to supplement or replace the insulation on flat or pitched roofs, floor slabs, and vaults, and reduces thermal bridging. Its porosity improves acoustic insulation.

#### For interior and exterior use

Can be used to lay screeds and falls internally or externally.

#### Non-combustible and fire-resistant

This is a 100% mineral non-combustible product (Euroclass fire rating – A1) that is fire-resistant and safe, including in the presence of fire.

#### Suitable for sustainable construction

The natural raw materials used in Latermix Cem Mini, its manufacturing process, which respects the environment, and the absence of harmful emissions (even in the presence of fire), make it suitable for sustainable construction as certified by ANAB-ICEA, the Italian Accreditation Institute.

### APPLICATIONS

- As thermal insulation and for creating falls on flat roofs (an impermeable layer can be laid directly on the surface).
- As a lightweight insulating substrate or base screed on top of a floor slab (including the incorporation of services and leveling them).
- As a lightweight insulating screed to take a ceramic or stone floor finish.



### TECHNICAL CHARACTERISTICS

Apparent packed density (approx.)	600 kg/m <sup>3</sup>
In-place density (approx.)	600 kg/m <sup>3</sup>
Average compressive strength (EN 13813)	5,0 N/mm <sup>2</sup> (50 kg/cm <sup>2</sup> )
Thermal conductivity $\lambda$	0,142 W/mK
Suggested thicknesses	$\geq 5$ cm
Bags required per 1 m <sup>2</sup> of floor area	0,21 bags per 10 mm depth
CE marking	EN 13813 CT-C5-F1
Package: bags each of 50 litres on non-returnable wooden pallets, 50 bags/pallet - 2,5 m <sup>3</sup> /pallet.	
Storage life: 12 months from date of packaging.	

Refer to the Technical Data Sheet and the Safety Information Sheet.



## Laterlite

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