

ABSTRACT

INSULATING MORTAR COMPOSITION

The present invention discloses a lightweight insulating mortar having a density of less than 300 kg/m^3 in the dry state comprising:

at least one mineral binder chosen from cement and lime, in a quantity comprised between 50 and 95% by weight relative to the total composition of the mortar,

at least 1% by weight of a polymeric admixture relative to the total composition of the mortar,

at least 0.2% by weight of a rheological admixture relative to the total composition of the mortar, and

optionally aggregates,

characterized in that it comprises at least 70% by volume of lightening fillers having a thermal conductivity of less than 55 mW/m.K , chosen from expanded polystyrene, aerogels, hollow glass microspheres, expanded glass beads, cenospheres, vermiculite and perlite and in that at least 10% by weight of said mineral binder is substituted by a pozzolanic agent.