

Title (en)
METHOD FOR OBTAINING A COMPACTED MATERIAL AND COMPACTED MATERIAL OBTAINED THEREBY

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES PRESSMATERIALS UND SO ERHALTENES PRESSMATERIAL

Title (fr)
PROCÉDÉ D'OBTENTION D'UN MATÉRIAU COMPACTÉ ET MATÉRIAU COMPACTÉ OBTENU DE CE PROCÉDÉ

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Abstract (en)
[origin: WO2019012234A1] The invention relates to a method for obtaining a compacted material according to which, a) a set of particles of raw materials is mixed with 1% to 50% by weight of a hydraulic binder to form a dry composition, the percentage being relative to the total weight of the dry composition, the particle size distribution of the raw material particles being characterised by a first reference diameter d90 of 50 millimetres or less and a second reference diameter d10 of 0.08 micrometres or more, b) the dry composition formed in step a) is mixed with 1% to 35% by weight of water so as to form a mixed composition, the percentage being relative to the total weight of the dry composition, c) the mixed composition from step b) is vibrated at a frequency of 20 to 80 Hertz and at an amplitude of at least 0.3 millimetres, while a compressive stress is applied to the mixed composition, the value of the applied compressive stress being at least 2 MegaPascal. The invention also relates to a method for obtaining a multilayer compacted material and to the materials obtained according to said methods.

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