

Title (en)

METHOD AND DEVICE FOR THE CONTINUOUS PRODUCTION OF INORGANICALLY BONDED PROCESSING MATERIALS, IN PARTICULAR OF PROCESSING BOARDS

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Application

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Abstract (en)

[origin: US4784816A] The invention relates to a method for continuous manufacture of materials, especially material slabs, from mixtures of binders, reinforcing agents, and possibly additives, the mixtures being cured by hydrate formation and being of a pourable or spreadable consistency. The special properties and usability of the materials are achieved by a permanent and irreversible compression of the initially-formed structure, whereby an extruded slab is formed from the mixture, then compressed and calibrated. The extruded slab is first compressed in a compression phase at a pressure which is sufficiently high that the slab's thickness after compression is less than the specified value of the finished extruded slab, and its density specified final density, the resulting values of density and degree of compression being sufficiently high that the compressed extruded slab is calibratable immediately thereafter in a calibration phase without the active application of pressure. In addition, the invention provides a device for working this method.

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