

Title (en)

METHOD OF PREPARING THE CONSTRUCTION MATERIAL WITH THE ADDITION OF A MIXTURE OF MINERAL DUSTS AND POST-INDUSTRIAL DUSTS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON BAUMATERIAL UNTER ZUSATZ EINER MISCHUNG AUS MINERALSTÄUBEN UND POSTINDUSTRIELLEN STÄUBEN

Title (fr)

PROCÉDÉ DE PRÉPARATION DU MATÉRIAU DE CONSTRUCTION PAR L'AJOUT D'UN MÉLANGE DE POUSSIÈRES MINÉRALES ET DE POUSSIÈRES POST-INDUSTRIELLES

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Application

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Abstract (en)

[origin: WO2017188830A1] The aim of the invention is to provide a process for preparing a construction material of good fire resistance, good compressive resistance, at a significantly reduced cost of manufacture, wherein an aqueous solution of vitreous sodium silicates, amorphous silica, post-industrial wastes and mineral wastes are mixed to produce a dense sol, which is dried, crushed and annealed. The present invention also relates to the use of the construction material produced by the process of the invention in building industry, especially as a construction material in buildings, where a high compressive resistance of a construction material is required, for example in tower blocks.

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