

Title (en)

METHOD AND DEVICE FOR THE PRODUCTION OF A SURFACE PRODUCT WITH A FIBER REINFORCED CONCRETE MATRIX

Title (de)

VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN EINES FLÄCHENPRODUKTES MIT EINER FASERVERSTÄRKTEN BETON-MATRIX

Title (fr)

PROCEDE ET DISPOSITIF POUR LA PRODUCTION D'UN PRODUIT DE SURFACE AVEC UNE MATRICE DE BETON RENFORCEE PAR FIBRES

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Application

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Abstract (en)

[origin: DE19650432A1] The invention relates to a method for the production of surface products with a fiber reinforced concrete matrix, in which a hydraulic setting substance is deposited in a uniformly thick layer, with reinforcement fibres proportionally admixed or scattered on, onto a substrate (3) or into a mould (10). A grid fabric (7) made of wire is placed on the layer, and, during stabilisation of the layer which has not set yet, is impressed with defined force and depth into this layer. A predetermined compaction is produced and the wire grid fabric (7), after uniform embedding of the fibers in the matrix layer and after its compaction and degasifying, is removed from the layer and the substance is left to set. A device for carrying out the method comprises at least one dispenser (9) for the fiber concrete substance, and means for the dosed discharge of the substance on a substrate (3) or into the mould (10). It has, as temporary support and compaction aid for the concrete substance (13), a wire grid fabric (7) and means (6) for impressing the same into the matrix layer, while embedding the fibers and compacting the matrix layer, and means (4, 5) for lifting the wire grid fabric (7) out from the coating after embedding of the fibers.

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