

Title (en)
A METHOD FOR MANUFACTURING INTERIOR PLATE BOARDS FOR CONSTRUCTION

Title (de)
VERFAHREN ZUR HERSTELLUNG VON BAUPLATTEN FÜR DEN INNENAUSBAU

Title (fr)
PROCEDE DE FABRICATION DE PLAQUES DE CONSTRUCTION POUR INTERIEURS

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Abstract (en)
[origin: WO9704184A2] The present invention relates to a method for manufacturing interior plate boards for construction comprising the steps of cutting 30-55 % by weight of waste pulp, 20-35 % by weight of waste polyester fibers and 20-35 % by weight of waste polypropylene fibers by predetermined length to make a material mixture, homogeneously mixing the material mixture with 2-9 % by weight of filler and water, dehydrating the homogeneous mixture while uniformly distributing and removing the homogeneous mixture on a network-structured belt and passing through a pair of rollers to form a plate board precursor, spraying a thermosetting resinous solution on the plate board precursor, drying the plate board precursor at temperatures of 60-90 DEG C to form a plate board until the moisture content of the plate board becomes 5-20 %, cutting the plate board in specified shapes, spraying water onto the surface of the plate board, and compressively molding the plate board into interior plate boards having respective shapes at temperatures of 180-200 DEG C and under the pressures of 120 SIMILAR 150 Kg.f/cm<2>. According to the invention, the interior plate boards have excellent form-maintaining property and workability as well as superior tensile strength and breaking strength, and the manufacturing cost and the environmental pollution can be reduced by using waste resources.

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