

Title (en)

Process for making fibrous sheet products from cellulose by a paper-making process, said products being enriched with elastomeric resins.

Title (de)

Verfahren zur Herstellung von mit elastomerischen Harzen angereicherten Faserbahnen aus Zellstoff nach Papiermacherart.

Title (fr)

Procédé de préparation par voie papetière de feuilles de produits fibreux à base de cellulose et enrichis de résines élastomères.

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Application

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Priority

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Abstract (en)

[origin: EP0406039A1] Process for the preparation by a wet route of sheet materials of fibrous structure based on cellulose, such as papers, cardboards, non-wovens or the like, of the type in which the fibrous structure in sheet form is enriched in finishing materials consisting of synthetic polymers and more especially of resins of the elastomer or plastomer type and in addition of the type in which the wet sheet formed on the endless cloth passes through an impregnation press to receive therein a finishing product of the type consisting of an elastomeric or plastomeric resin before drying on heating rollers, and the process is characterised in that the finishing product feeding the impregnation press with a view to its impregnation into the wet sheet consists of an aqueous dispersion of an elastomeric or plastomeric resin and in that this liquid bath receives, as a manufacturing adjuvant, an active product capable of causing the spontaneous coagulation of the said resin above a given temperature with release of a quantity of water, thus capable of forming an interface counteracting the adherence of the elastomeric product to the heating roll for subsequent drying. The material obtained from the process according to the present invention is employed in numerous applications such as artificial leathers and the production of footwear and of leatherwork articles, printing sheets of high value, adhesively coated papers or labels, supports for abrasive layers, adhesive tapes, floor or wall coverings, sterilisation enclosures and the protection of filiform components such as electrical cables or cable work.

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