

Title (en)  
METHOD FOR PRODUCING PAPER, PAPERBOARD AND CARDBOARD

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON PAPIER, PAPPE UND KARTON

Title (fr)  
PROCÉDÉ DE FABRICATION DE PAPIER, DE CARTON-PÂTE ET DE CARTON

Publication  
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Application  
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Abstract (en)  
[origin: WO2014029593A1] The invention relates to a method for producing paper, paperboard and cardboard, comprising the dehydration of a paper material comprising filler material, which contains at least one water-soluble polymer, forming sheets in the wire section and subsequent pressing of the paper in the press section, wherein the at least one water-soluble polymer is dosed to a paper material having a fiber concentration in the range of 20 to 40 g/l, the paper material is then thinned to a fiber concentration in the range of 5 to 15 g/l, the thinned paper material is dehydrated, forming a sheet, and the sheet is pressed in the press section to a solids content  $G(x)$  wt % or greater and  $G(x)$  is calculated according to  $G(x) = 48 + (x - 15) \cdot 0.4$ , where  $x$  stands for the numerical value of the filler material content of the dry paper, paperboard or cardboard (in wt %) and  $G(x)$  stands for the numerical value of the minimum solids content (in wt %) on which the sheet is pressed, wherein the water-soluble polymer is obtainable via Hofmann reduction of a polymer comprising acrylamide and/or methacrylamide and optionally subsequent post-curing.

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