

Title (en)  
USE OF FORMALDEHYDE-FREE AQUEOUS BINDERS FOR SUBSTRATES

Title (de)  
VERWENDUNG FORMALDEHYDFREIER W[SSRIGER BINDEMITTEL FÜR SUBSTRATE

Title (fr)  
UTILISATION DE LIANTS AQUEUX SANS FORMALDEHYDE SUR DES SUBSTRATS

Publication  
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Application  
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Abstract (en)  
[origin: WO2006063802A2] The invention relates to the use of formaldehyde-free aqueous binders with broad molecular weight distribution for substrates, comprising (A) 0 to 100 wt. % of an ethylenically-unsaturated acid anhydride, or an ethylenically-unsaturated carboxylic acid the carboxylic acid group of which can form an anhydride or mixtures thereof, (B) 100 to 0 wt. % of an ethylenically-unsaturated compound, (C) at least one polyfunctional curing agent or mixtures thereof and (D) 1 - 80 wt. % of an aqueous polymer dispersion, whereby the polymers from A) and B), obtained by radical polymerisation, on classification in a coordinate system of mean molecular weights  $M_w$  and polydispersity values, lie on the surface above a straight line, defined by the linear equation  $y = 1,25x + 20,000$  and displaced in the y-direction by at least + 3,000, whereby the x-axis is the weight average molecular weight and the y axis is the polydispersity value multiplied by 10,000. The invention further relates to the binder itself and the use thereof for example, for moulded bodies, mats or sheets, in particular, for fibrous and particulate substrates such as fibre fleece, glass fibres, rockwool, reprocessed cotton, natural fibres or artificial fibres.

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Citation (search report)  
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Cited by  
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