

Title (en)
COMPOSITION CONTAINING ANTIMICROBIALS IN A HYBRID NETWORK

Title (de)
ZUSAMMENSETZUNG, ENTHALTEND ANTIMIKROBIELLE MITTEL IN EINEM HYBRIDNETZWERK

Title (fr)
COMPOSITION CONTENANT DES AGENTS ANTIMICROBIENS DANS UN RÉSEAU HYBRIDE

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Abstract (en)
[origin: WO2010049316A1] The invention relates to a method of preparing a composition comprising (a) reacting - (A) an isocyanate component with in average at least two isocyanate groups per molecule, - (B) a binder component comprising at least one alkoxy silane (B2), wherein the binder component (B) has in average at least two functional groups reactive to isocyanates per molecule, thus obtaining a prepolymer and subsequently (b) hydrolyzing and polycondensing said prepolymer in the presence of - water and - at least one antimicrobial agent (Z) comprising at least one antimicrobial active (Z1) and optionally a particulate carrier substance (Z2), wherein the at least one antimicrobial agent (Z1) is unreactive during step (b). The present invention furthermore relates to compositions obtainable by said method, to coatings comprising said compositions and to a kit of parts comprising a curable composition containing said components (A), (B), and (Z) for joint application. The present invention furthermore concerns the use of said compositions for preparing antimicrobial coatings.

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