

Title (en)
COATING AGENT AND METHOD FOR ITS PRODUCTION

Title (de)
BESCHICHTUNGSMITTEL UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
AGENT DE REVETEMENT ET PROCEDE PERMETTANT DE LE PRODUIRE

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Application
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Priority

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Abstract (en)
[origin: DE19855152A1] The invention relates to a single-component coating agent which contains (A) at least one blocked polyisocyanate as cross-linking agent and (B) at least one binder having functional groups which react with isocyanate groups. The inventive method is characterized in that the blocked polyisocyanate (A) is (A1) the completely blocked derivative of a polyisocyanate (a1) which contains at least one diisocyanate structural unit which has (a11) an unsaturated or aromatic or non-aromatic ring structure with 5 to 10 ring atoms and (a12) two isocyanate groups bound to the ring structure, wherein (a13) if the ring structure is non-aromatic, (a131) both isocyanate groups are linked with the ring structure via linear C1-C9 alkyl and/or linear C2-C10 ether alkyl or (a132) one isocyanate group is directly and the other isocyanate group is linked with the ring structure via linear C2-C9 alkyl or linear C2-C10 ether alkyl; (a14) if the ring structure is unsaturated or aromatic, at least one of the two isocyanate groups is linked with the ring structure via linear C2-C9 alkyl and/or linear C2-C10 ether alkyl. Neither of these radicals has any benzyl hydrogen atoms. The blocked polyisocyanate (A) is especially (A2) the completely blocked derivative of an oligomer (a2) of the polyisocyanate (a1) having 2 to 10 isocyanate units, especially the completely blocked derivative of a trimer (a2).

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