

Title (en)

REACTIVE COMPOUND FOR PRODUCING POLYURETHANE LAYERS HAVING THERMALLY ACTIVATABLE CATALYST SYSTEMS

Title (de)

REAKTIVMASSE ZUR HERSTELLUNG VON POLYURETHANSCHICHTEN MIT THERMISCH AKTIVIERBAREN KATALYSATORSYSTEMEN

Title (fr)

COMPOSÉ RÉACTIF POUR LA PRODUCTION DE COUCHES DE POLYURÉTHANE AYANT DES SYSTÈMES DE CATALYSEUR POUVANT ÊTRE ACTIVÉS THERMIQUEMENT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2022057985A1] The present invention relates to reactive compounds for producing polyurethane layers, which reactive compounds comprise: an isocyanate component consisting of at least one polyfunctional isocyanate, of an oligomer of a polyfunctional isocyanate, or of an isocyanate prepolymer; a polyol component consisting of at least one polyol; and a catalyst system which has a metal-based catalyst on the basis of a salt or an organometallic compound and a diketo compound having a melting point of $\geq 15^{\circ}\text{C}$. The catalyst system is characterised by low toxicity and very low reactivity in processing conditions, but can be activated by an increase in temperature, such that the most thoroughly reacted polyurethanes can be formed in a short time. The present invention also relates to methods for producing such polyurethane layers, polyurethane layers produced from the reactive compounds, and composite structures containing such polyurethane layers. The present invention further relates to the use of the specified catalyst system for reacting polyols and polyisocyanates.

IPC 8 full level

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Citation (search report)

See references of WO 2022057985A1

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