

Title (en)

RAPID-CURING TWO-COMPONENT COMPOSITION OF SILYLATED POLYMERS HAVING A LONG OPEN TIME

Title (de)

SCHNELL HÄRTENDE ZWEIKOMPONENTIGE ZUSAMMENSETZUNG SILYLICHTER POLYMERE MIT LANGER OFFENZEIT

Title (fr)

COMPOSITION À DEUX COMPOSANTS À DURCISSEMENT RAPIDE DE POLYMÈRES SILYLÉS À LONGUE DURÉE D'OUVERTURE

Publication

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Application

EP 22722268 A 20220412

Priority

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Abstract (en)

[origin: WO202223373A1] The present invention relates to a consisting of: a component A, which comprises at least one organic silane-group-containing polymer, preferably at least one drying agent, preferably at least one amine having at least one free amino group or latent amino group releasable via hydrolysis, optionally at least one hydrolysable silane that does not have an amino group, and at least one catalyst for crosslinking silane-functional polymers; and consisting of a component B, which comprises between 1 and 75 wt.% water, wherein the water is preferably dispersed in a mixture together with filler and/or plasticiser and optionally further additives; and optionally consisting of further additives in component A and/or component B, selected from the group consisting of fillers, hydrophilic or hydrophobic silicic acids, plasticisers, solvents, rheology additives, surfactants, pigments, emulsifiers, UV or oxidation stabilisers, flame retardants, biocides and non-moisture-reactive polymers or resins; characterised in that the catalyst is a tin complex having two mercaptide ligands according to formula (V), where ligands L1 independently represent sulfur-coordinated alkyl mercaptides, in particular C6 to C16 alkyl mercaptides, where ligands L1 optionally comprise methyl dialkoxysilane groups, preferably methyl dimethoxysilane groups, and ligands L2 independently represent alkyl ligands, in particular C6 to C14 alkyl ligands. The composition according to the invention allows an exceptionally long pot time and simultaneously very rapid curing and excellent storage stability.

IPC 8 full level

C08G 18/10 (2006.01); **C08G 18/48** (2006.01); **C08G 18/75** (2006.01); **C09J 175/00** (2006.01); **C09J 201/10** (2006.01)

CPC (source: EP KR US)

C08G 18/10 (2013.01 - EP KR US); **C08G 18/4825** (2013.01 - EP KR); **C08G 18/755** (2013.01 - EP KR); **C08K 5/5419** (2013.01 - US); **C08K 5/5425** (2013.01 - KR US); **C08K 5/544** (2013.01 - KR); **C08K 5/58** (2013.01 - KR US); **C08L 75/08** (2013.01 - EP KR); **C08L 101/10** (2013.01 - EP KR US); **C09D 175/08** (2013.01 - KR); **C09D 201/10** (2013.01 - EP KR US); **C09J 175/08** (2013.01 - EP KR US); **C09J 201/10** (2013.01 - EP KR); **C09J 2475/00** (2013.01 - US)

C-Set (source: EP)

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