

Title (en)  
POLYISOSILICATE ADHERENCE PRIMER COMPOSITION, IN PARTICULAR FOR COATING SILICONE ELASTOMERS AND ONE OF THE METHODS FOR PREPARING SAME

Title (de)  
ADHÄSIONSVERMITTELNDE POLYSILIKAT PRIMERZUSAMMENSETZUNGEN FÜR ELASTOMERE SILOXANBESCHICHTUNGEN UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)  
COMPOSITION DE PRIMAIRE D'ADHERENCE A BASE DE POLYSILICATE, NOTAMMENT POUR REVETEMENTS ELASTOMERES SILICONE ET L'UN DES PROCEDES DE PREPARATION DE CETTE COMPOSITION

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Application  
**EP 01936530 A 20010515**

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Abstract (en)  
[origin: WO0188049A1] The invention concerns a polyisilicate adherence primer composition for silicone elastomer to improving adherence of substrates and coatings of various types, substrate wetting, wettability relative to coatings, interactions with the substrate and the coating, cohesion of the primer coat, film-forming properties, ease of preparation and use as well as being economical. Said primer composition is characterised in that it comprises a condensed alkyl polysilicate (A) (units  $Q<0>$ ,  $Q<1>$ ,  $Q<2>$ ,  $Q<3>$ ,  $Q<4>$ ) such that:  $1.1 < SiOR/Si < 1.5$ ;  $0 \leq Q<0> = Si(OR)_4 \leq 2$ ;  $0 \leq Q<1> = Si(O1/2)(OR)_3$ ;  $20 \leq Q<2> = Si(O1/2)_2(OR)_2 \leq 45$ ;  $20 \leq Q<3> = Si(O1/2)_3(OR) \leq 80$ ;  $0 \leq Q<4> = Si(O1/2)_4 \leq 15$ ; a metal chelate or alkoxide (B) in an amount such that, the mass ratio B/SiO<sub>2</sub> ranges between 3 and 3.5; and a solvent C. The invention also concerns a method for preparing said primer composition. The invention is useful for adherence of RTV 2 polyaddition silicone elastomers on aluminium substrates or in particular epoxide resin.

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