

Title (en)  
METHOD FOR PRODUCING A MULTICOMPONENT SYSTEM WHICH CAN BE THERMALLY HARDENED AND HARDENED BY ACTINIC RADIATION AND THE USE THEREOF

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES THERMISCH UND MIT AKTINISCHER STRAHLUNG HÄRTBAREN MEHRKOMPONENTENSYSYSTEMS UND SEINE VERWENDUNG

Title (fr)  
PROCEDE POUR LA PRODUCTION D'UN SYSTEME A PLUSIEURS COMPOSANTS DURCISSABLE PAR ACTION THERMIQUE ET PAR RAYONNEMENT ACTINIQUE ET UTILISATION DE CE SYSTEME

Publication  
**EP 1322718 A1 20030702 (DE)**

Application  
**EP 01986708 A 20011001**

Priority  
• DE 10048849 A 20001002  
• EP 0111314 W 20011001

Abstract (en)  
[origin: DE10048849A1] A heat- and light-curable (dual-cure) multi-component system made by combining isocyanate-reactive component(s) (A) and polyisocyanate (B) is obtained by pre-mixing (A) and/or (B) with (C1) a component with at least 2 light-activatable functional groups and/or (C2) a heat- and light-curable component with isocyanate group(s) and optionally light-activatable group(s). A method for the production of a heat- and light-curable (dual-cure) multi-component system by mixing (A) component(s) containing constituent(s) (A1) with at least two (on average) isocyanate-reactive groups/molecule and (B) component(s) containing polyisocyanate(s) (B1). In this method, component(s) (A) and/or (B) is/are mixed, shortly before they are combined together, with other liquid component(s) (C) containing (C1) light-curable component(s) with at least two groups containing light-activatable bond(s) and/or (C2) heat- and light-curable component(s) with at least one group containing light-activatable bond(s) and at least one isocyanate-reactive group or with at least one isocyanate group (on average), after which components (A/C) and (B), (A) and (B/C) or (A/C) and (B/C) are mixed and homogenized. An Independent claim is also included for a dual-cure multi-component system containing components (A) and (B) as above, plus (C) light-curable reactive diluent(s) with at least 5 light-activatable bonds/molecule, which is/are not added via a thixotropic agent.

IPC 1-7  
**C09D 175/16**; **C08G 18/79**; **C08G 18/62**; **C08G 18/67**

IPC 8 full level  
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Citation (search report)  
See references of WO 0231071A1

Citation (examination)  
• WO 0228938 A1 20020411 - BASF COATINGS AG [DE], et al  
• WO 0226853 A1 20020404 - BASF COATINGS AG [DE], et al

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