

Title (en)
AQUEOUS TWO-COMPONENT COATING AGENT AND USE THEREOF

Title (de)
WÄSSRIGES ZWEIKOMPONENTENÜBERZUGSMITTEL UND SEINE VERWENDUNG

Title (fr)
AGENT DE REVETEMENT AQUEUX A DEUX COMPOSANTS ET SON UTILISATION

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Application
EP 97951131 A 19971021

Priority
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• EP 9705791 W 19971021

Abstract (en)
[origin: DE19644615C1] Aqueous 2-component coating composition based on a combination of a first component containing polyol(s) (I) and a second component containing polyisocyanate(s) (II), especially for coating plastics substrates, contains: (a) 10-40 wt.% (I) with a number average molecular weight (Mn) of 300-2000000, a hydroxyl (OH) number of 10-400 mg potassium hydroxide (KOH)/g and a content of ionic and/or ionogenic groups of upto 400 milliequivalents/100 g solid resin; (b) 0.5-10 wt.% chlorinated and/or unchlorinated polyolefin(s); (c) 1-35 wt.% electrically conducting pigment and/or filler; (d) 5-30 wt.% organic solvent(s); (e) 25-75 wt.% water; and (f) 1-30 wt.% (II) with ≥ 2 free isocyanate (NCO) groups/molecule. The ratio of reactive NCO groups in (II) to OH groups in (I) is (5-0.5):1. Preferably the conductive pigment and/or filler content is 2-30 wt.%. (I) are polymers, polyesters and/or polyurethanes containing OH groups.

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IPC 8 full level
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