

Title (en)

APPLICATION OF PLASTIC ON INDIVIDUAL METAL PARTS

Title (de)

AUFBRINGEN VON KUNSTSTOFF AUF METALLISCHE EINZELTEILE

Title (fr)

APPLICATION DE MATIERES PLASTIQUES SUR DES PIECES METALLIQUES INDIVIDUELLES

Publication

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Application

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Abstract (en)

[origin: DE19725780A1] The invention relates to a method for applying plastic or plastic coatings to metal parts. Said method consists of the following steps: a) the individual parts are brought into contact with a solution or dispersion containing 5 to 50 wt. % organic polymer; b) the solution or dispersion is dried; c) the individual parts are brought into contact with a qualitatively substantially identical solution or dispersion according to step a), containing, however, 0.5 to 5 wt. % organic polymer, and d) finally dried. Preferably, the solution or dispersion contains a chrome VI or chrome III compound and or adhesion-promoting pigments, flow-control agents and/or defoamers (additives). Other preferred embodiments of the invention consist in brining the individual parts into contact with a solution or dispersion having a temperature of 5 to 40 DEG C, drying as in step b) at a temperature ranging from 40 to 60 DEG C and final drying in step d) at a high temperature of up to 200 DEG C. The main advantage of the invention is that the method can be used in the pre-treatment of individual parts before powder coating.

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