

Title (en)

HYDROPHOBIC PERMANENT COATINGS ON SUBSTRATES AND METHODS FOR PRODUCTION THEREOF

Title (de)

HYDROPHOBE PERMANENTE BESCHICHTUNGEN AUF SUBSTRATEN UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

REVETEMENTS PERMANENTS HYDROPHOBES APPLIQUES SUR DES SUBSTRATS ET LEUR PROCEDE DE PRODUCTION

Publication

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Application

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Abstract (en)

[origin: WO02087784A2] The invention relates to the field of chemistry and coatings, which can be used for example in the production of painted coatings and a method for production thereof. The aim of the invention is to describe coatings with hydrophobic to ultra-hydrophobic properties. Said aim is achieved by means of hydrophobic permanent coatings made from a cross-linked layer of a hardener component (A) and a resin component (B), whereby (A) and/or (B) comprise chemically coupled, lateral and/or terminal perfluoroalkyl groups with at least one trifluoromethyl end group, with a coupling between the layer and the surface region of the substrate. Said aim is further achieved by means of a method, in which the coating agent, containing perfluoroalkyl groups, is applied to a surface in the form of a melt, powder, dispersion or solution, a film formation with addition of energy, with or without a partial cross-linking and at least one partial coupling and then, again with introduction of energy, a complete cross-linking of the layer is carried out.

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