

Title (en)  
LIQUID SILICONE FORMULATION FOR PRODUCING RELEASE AND WATER-REPELLENT CROSSLINKED ELASTOMER COATINGS ON A SOLID SUPPORT, SUCH AS A PAPER SUPPORT

Title (de)  
FLÜSSIGE SILIKONZUSAMMENSETZUNGEN FÜR HAFTMINDERNDE, WASSERABWEISENDE ELASTOMERE BESCHICHTUNGEN AUF FESTE SUBSTRATE, WIE PAPIER

Title (fr)  
FORMULATION SILICONE LIQUIDE POUR LA REALISATION DE REVTEMENTS LASTOMERES R TICULS ANTI-ADHRENTS ET HYDROFUGES SUR SUPPORT SOLIDE, PAR EXEMPLE EN PAPIER

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Application  
**EP 02793185 A 20021024**

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Abstract (en)  
[origin: WO03035781A1] The invention concerns a liquid silicone formulation for producing release and water-repellent crosslinked elastomer coatings on a solid support, such as a paper support. The invention aims at solving the adherence defect of elastomer silicone films with release outer surface designed to be glued on soft supports such as closed paper, for example glassine or polypropylene polymer films. Therefor, the inventive liquid silicone formulation, for use as a coating base for high-speed production of crosslinked release and water repellent elastomer coating on a solid support, comprises at least a crosslinkable polyorganosiloxane POS (I), (SiVi-type POS and SiH-type POS); at least a (platinum-based) catalyst (ii); optionally an adherence modulator system (III); an adherence promoter (IV) comprising an epoxidized alkoxy silane and/or an alkenylated alkoxy silane, as well as a metal chelate and/or a metal alkoxide (GLYMO/MEMO/TiO4Bu). The POS (I) the most viscous has a viscosity less than 1000 mPa's. The invention is for paper release coating.

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IPC 8 full level  
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