

Title (en)

Process for making a protection sheet for a profile member

Title (de)

Verfahren zur Herstellung einer als Oberflächenschutzschicht auf einem Profilkörper geeigneten Folie

Title (fr)

Procédé pour fabriquer une feuille de protection pour un objet profilé

Publication

EP 0763387 B1 20001206 (DE)

Application

EP 95114616 A 19950918

Priority

- EP 95114616 A 19950918
- JP 33583596 A 19961216
- US 76330696 A 19961210

Abstract (en)

[origin: EP0763387A1] A process is claimed for the prodn. of a film (I) to form a protective surface layer on a profiled object, in which a base film impregnated with a thermosetting impregnating resin (II) is coated with varnish (III). The novelty is that (a) resin (II) is an aq. condensation resin with a volatiles content of about 50 wt.% during coating, and the impregnated film has a volatiles content of 8-20 wt.% before varnishing; (b) varnish (III) is an aq. system based on an OH gp.-contg. acrylic polymer, polyurethane polymer or polyester copolymer contg. a crosslinker which not only crosslinks the binder but also promotes chemical bonding with resin (II) in the film; and (c) film (I) is dried to a final moisture content of 2-20 (pref. 4-10) wt.% before applying it to the profiled substrate.

IPC 1-7

B05D 1/36; B05D 7/04; B05D 7/00; D21H 27/26

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP4008553A1; DE102004010787A1; EP1849530A1; CN104562848A; WO2007124863A1; WO0110939A1; DE102020132063A1; EP0841158A1

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