

Title (en)

PVC profile systems covered with aluminium profiles or foils by gluing directly on the PVC base profile

Title (de)

PVC-Profilssysteme, die durch direktes Kleben auf das PVC-Basisprofil mit Aluminiumprofilen oder Aluminiumfolien abgedeckt sind

Title (fr)

Systèmes de profilés en PVC couverts de profilés ou de film en aluminium par collage direct sur le profilé de base en PVC

Publication

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Application

EP 14002250 A 20140701

Priority

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Abstract (en)

The invention consists of a profile system "Direct Glued ALU-PVC profile systems" and on this basis a system of elements of joinery from PVC plated with aluminum, which can be produced using the classical technological process. Thus: 1. To achieve this system used aluminum sheets rolls in case of rolling, strips of sheet with length and width appropriate for bending or extruded profile. These aluminum profiles can be done considering the configuration and dimension of any PVC profile system - see for example Figure 3. 2. Clipping system used in the past has been replaced by a permanent connection by bonding the aluminum to the PVC profile as in Figure 4, 5, 6, resulting in a composite profile, PVC with outer surface covered with aluminum as in the example in Figure 2. 3. Then, this profile is processed in order to obtain the joinery elements by the classic method: a) cutting, reinforcing; b) drilling, milling; c) welding; d) cleaning corners. In addition, before welding, the milling process of the aluminum profile according to Figures 7, 8, 9 has to be done. I mention that all the details are given as a general and illustrative concept and the method can be applied to all PVC systems. Have been done tests on the following systems: Bruegmann - Salamander 73 mm, Salamander Blue Evolution 92 mm 74 mm Gealan S8000, S3000 Gealan 63 mm, 76 mm Profine Trocal, barter 88 mm. In the same way the process can be performed on any type or brand of PVC profiles.

IPC 8 full level

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CPC (source: EP)

E06B 3/306 (2013.01); **E06B 3/9608** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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