

Title (en)

Corner joint with integrated seal for a prefabricated window frame

Title (de)

Eckverbinder mit integrierter Dichtung für vorgefertigte Fensterrahmen

Title (fr)

Joint d'angle étanche pour cadre préfabriqué de fenêtre

Publication

EP 2105571 A3 20130313 (EN)

Application

EP 09156303 A 20090326

Priority

DK PA200800438 A 20080326

Abstract (en)

[origin: EP2105571A2] The invention concerns a corner joint for a prefabricated window bordering of the kind which is composed of two vertical side panel boards (2), a horizontal superjacent panel board and a number of architraves (4) associated with the panel boards (3), and where the panel boards (3) are intended for customary letting in into grooves (8) provided therefor in the window frame (1). Two corner joints between the superjacent panel board (3) and the two side panel boards (2) are each composed of two extruded plastic or metal edge profiles (13,14), where one edge profile (13) is fastened to the end face of the side panel board (2) in question, and the other edge profile (14) is fastened to the corresponding end face on the superjacent panel board (3). Furthermore, one edge profile (13) is provided with a groove (17) and the other edge profile (14) is provided with a projecting profiled rib (21) corresponding to this groove (17), the rib (21) adapted to be inserted into the groove (17) to lock the two edge profiles (13,14) together, e.g. by squeeze action or by a snap lock action. The corner-profile assembly is suitably equipped with an integrated sealing system (20) consisting of a suitable elastomeric sealing material, which in highly viscous paste-like condition is laid into the profile groove (17,19). Alternatively, the sealing consists of an actual sealing strip inserted between the edge profiles (13,14). Panel boards (2,3) as well as architraves (4) are covered by plastic laminate. In that way, the window bordering immediately attains the degree of tightness required by the building regulations without additional measures. The plastic laminate covering simultaneously constitutes the vapour barrier or the moisture membrane in the building construction in and around the window niche.

IPC 8 full level

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CPC (source: EP)

E06B 1/342 (2013.01); **E06B 3/9616** (2013.01); **E06B 3/9641** (2013.01); **E06B 2001/622** (2013.01)

Citation (search report)

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