

Title (en)

COMPOSITE POLYISOCYANURATE FOAM BOARD.

Title (de)

ZUSAMMENGESTELLTE POLYISOCYANURATSCHAUMPLATTE.

Title (fr)

PLAQUE DE MOUSSE DE POLYISOCYANURATE COMPOSITE.

Publication

EP 0042423 A1 19811230 (EN)

Application

EP 81900322 A 19801223

Priority

US 10753179 A 19791227

Abstract (en)

[origin: WO8101816A1] A composite roof insulation board (1) produced by applying, between two facing sheets (5), a polyisocyanurate foam layer (2) to a layer of perlite insulation board (3), and introducing the combination between two substantially immovable barriers which restrict expansion of the foam layer, thus forming a composite insulating board having excellent heat resistive and heat insulation characteristics, and which is dimensionally stable. The so produced composite insulation board (1) is then applied to a steel deck roof structure (28) to be insulated, with the perlite layer (3) facing upwardly and the foam layer (2) facing downwardly. The resulting insulated roof structure is capable of meeting the specifications required to be classified as a Class 1 (Factory Mutual classification) roof structure.

Abstract (fr)

Une plaque d'isolation de toit composite (1) est produite par application, entre deux feuilles face a face (5), d'une couche de mousse de polyisocyanurate (2) sur une couche d'une plaque d'isolation de perlite (3), et introduction de la combinaison entre deux barrieres sensiblement immobiles qui empechent l'expansion de la couche de mousse, formant ainsi une plaque d'isolation composite ayant d'excellentes caracteristiques de resistance a la chaleur et d'isolation thermique, et qui est en dimensions stables. La plaque d'isolation composite (1) ainsi produite est ensuite appliquee sur la structure d'un toit en acier (28) a isoler, la couche de perlite (3) vers le haut et la couche de mousse (2) regardant vers le bas. La structure de toit isolee obtenue satisfait les normes requises pour etre classée parmi les toitures de Classe (1) "Factory Mutual classification".

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IPC 8 full level

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CPC (source: EP US)

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