

Title (en)
METHOD FOR IMPROVING THE AIRTIGHTNESS OF BUILDINGS USING A BIOPOLYMER-BASED MEMBRANE

Title (de)
VERFAHREN ZUR VERBESSERUNG DER LUFTDICHTHEIT VON GEBÄUDEN MITHILFE EINER MEMBRAN AUF BIOPOLYMERBASIS

Title (fr)
PROCÉDÉ D'AMÉLIORATION DE L'ÉTANCHÉITÉ À L'AIR DE BÂTIMENTS UTILISANT UNE MEMBRANE À BASE DE BIOPOLYMÈRES

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Abstract (en)
[origin: WO2022148925A1] The invention relates to a method for improving the airtightness of a building or a room in a building, comprising the use of a vapour barrier membrane on the inner face of the walls of the building or the room in the building, characterised in that the vapour barrier membrane is a humidity-regulating membrane comprising an active portion which comprises: - a middle layer having a thickness of 2 µm to 200 µm, preferably 4 µm to 100 µm, and consisting of a biopolymer having a water vapour permeability coefficient P1 which increases with average relative humidity and which, when it is determined at 23 °C and at an average relative humidity of 25.5%, is at least equal to 300 Barrers, and, on either side of the middle layer and preferably in contact with the latter, - two outer layers having a thickness of 100 nm to 20 µm, preferably 200 nm to 2.5 µm, and consisting, independently of each other, of an organic polymer having both a water vapour permeability coefficient P2, determined at 23 °C and at an average relative humidity of 25.5%, of at most equal to 250 Barrers, preferably 0.05 to 100 Barrers, in particular 1.0 to 20 Barrers.

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