Title (en)

MOISTURE-ADAPTIVE VAPOUR RETARDER

Title (de)

FEUCHTEADAPTIVE DAMPFBREMSE

Title (fr)

PARE-VAPEUR S'ADAPTANT AU TAUX D'HUMIDITÉ

Publication

EP 2318603 A2 20110511 (DE)

Application

EP 09777787 A 20090810

Priority

- EP 2009005798 W 20090810
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Abstract (en)

[origin: WO2010017947A2] The invention relates to a moisture-adaptive vapour retarder with at least one moisture-adaptive functional layer, which is formed from a material which has a water-vapour diffusion resistance that decreases with increasing humidity in the atmosphere surrounding the vapour retarder in such a way that the vapour retarder has a water-vapour diffusion resistance of 2 m of diffusion-equivalent air layer thickness (sd value) and above in the case of a humidity of 30-50% and a water-vapour diffusion resistance < 1 m of diffusion-equivalent air layer thickness in the case of a humidity of 60% or more. In this case, hydrophobic or hydrophilic agents are incorporated in the moisture-adaptive functional layer of the vapour retarder and/or the moisture-adaptive functional layer is provided with a coating which has hydrophobic or hydrophilic agents in such a way that the moisture-adaptive functional layer of the vapour retarder has a water-vapour diffusion resistance > 4 m of diffusion-equivalent air layer thickness, preferably > 5 m, particularly preferably > 10 m, in the case of an ambient humidity of up to 50% and a water-vapour diffusion resistance < 1 m of diffusion-equivalent air layer thickness in the case of an ambient humidity of 70% or more.

IPC 8 full level

E04B 1/64 (2006.01); **E04B 1/62** (2006.01)

CPC (source: EP)

E04B 1/625 (2013.01); **E04B 1/64** (2013.01)

Citation (search report)

See references of WO 2010017947A2

Cited by

DE202016101644U1; DE102017105028A1; DE102017105028B4

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Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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