

Title (en)
INSULATION BARRIERS HAVING A HYDRAULICALLY SETTABLE MATRIX

Title (de)
ISOLIERBARRIERE MIT HYDRAULISCH AUSHÄRTBARER MATRIX

Title (fr)
BARRIERES ISOLANTES A MATRICE DURCISSABLE HYDRAULIQUEMENT

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Application
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Abstract (en)
[origin: WO9420274A1] Insulation barriers having a hydraulically settable component are disclosed. Such insulation barriers include laminate insulation barriers that have a highly insulative layer and a structural layer which has a hydraulically settable matrix. The highly insulative layer may include any known insulating material but is usually an inorganic material such as aerogel, xonotlite, a foamed hydraulically settable product, fiberglass, or rock wool. The structural matrix usually includes the reaction products of a hydraulically settable binder and water in combination with a rheology-modifying agent, an inorganic aggregate material, and fibrous materials to increase the strength of the final product. Finely dispersed voids may be incorporated into the hydraulically settable matrix to decrease the density and thermal conductivity of the insulation barrier. A dispersant may be added to improve the workability of the hydraulically settable mixture.

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