

Title (en)
Insulating wall

Title (de)
Isolierende Mauer

Title (fr)
Mur isolant

Publication
EP 1063364 A1 20001227 (FR)

Application
EP 00440179 A 20000616

Priority
FR 9908200 A 19990624

Abstract (en)
An insulating wall has insulation in a cavity between parallel internal and external insulating layers. Ties bridge the cavity to connect the layers. The whole wall is less than 40 cm thick and each layer is ≥ 4 cm thick. Each cubic meter of the layers includes ≥ 250 kg of cement, ≥ 250 l of air trapped in particles of insulating material, an agent causing the cement to coat the particles and water so the water cement ratio is 0.2 - 0.5. Independent claims are included for the following: (a) The above wall where the amount of additive $\geq 0.4\%$ the wt of concrete or ≥ 0.8 l/m³ of the mixture. (b) Making a wall as above by casting the inner and outer layers and then pouring the insulation into the cavity. Preferred Features: The insulation may be glass coated beads or porous volcanic rock.

IPC 1-7
E04C 2/06

IPC 8 full level
E04C 2/06 (2006.01)

CPC (source: EP)
E04C 2/06 (2013.01)

Citation (search report)

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