

Title (en)

ULTRA-FAST SETTING CEMENT BASED ON AMORPHOUS CALCIUM ALUMINATE COMPRISING A SURFACE TREATMENT

Title (de)

ULTRASCHNELL ABBINDENDER ZEMENT AUF DER BASIS VON AMORPHEM CALCIUMALUMINAT MIT EINER OBERFLÄCHENBEHANDLUNG

Title (fr)

CIMENT À PRISE ULTRA-RAPIDE À BASE D'ALUMINATE DE CALCIUM AMORPHE COMPRENANT UN TRAITEMENT DE SURFACE

Publication

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Application

**EP 15732769 A 20150513**

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Abstract (en)

[origin: WO2015173526A1] The invention relates to an ultra-fast setting cement composition comprising at least amorphous calcium aluminate comprising by weight relative to the total weight of the amorphous calcium aluminate: (a) 35 to 55 % calcium oxide CaO (C); and (b) 19 to 55 % alumina Al<sub>2</sub>O<sub>3</sub> (A), the molar ratio C/A being greater than or equal to 1.5, and preferably greater than or equal to 1.7. The invention is characterized in that the amorphous calcium aluminate is coated with a surface treatment comprising an organic compound comprising at least two hydrophilic functions and a hydrophobic chain. The invention also relates to a method for producing the cement composition and to its uses.

IPC 8 full level

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Citation (search report)

See references of WO 2015173526A1

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