

Title (en)

USE OF EPOXY DERIVATIVES AS ADDITIVES FOR CEMENTITIOUS BUILDING MATERIALS FOR REDUCING EFFLORESCENCE

Title (de)

VERWENDUNG VON EPOXY-DERIVATEN ALS ZUSATZMITTEL FÜR ZEMENTÄRE BAUSTOFFMASSEN ZUR UNTERDRÜCKUNG VON AUSBLÜHUNGEN

Title (fr)

UTILISATION DE DERIVES D'EPOXYDE COMME ADDITIFS POUR DES MATERIAUX DE CONSTRUCTION A BASE DE CIMENT POUR REDUIRE L'EFFLORESCENCE

Publication

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Application

EP 06724822 A 20060516

Priority

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Abstract (en)

[origin: WO2006122754A1] The invention relates to the use of epoxy derivatives that are obtained by reacting a di-, tri- or tetraglycidyl compound (A) with an optionally unsaturated reactive component (B), consisting of C₈-C₂₈ fatty acid, a C₈-C₂₈ alcohol or a C₈-C₂₈ secondary amine, as additives for cementitious building materials. The inventive epoxy derivatives are excellent agents for preventing or suppressing blooming on the surfaces of cured cementitious building materials and/or for hydrophobing the corresponding cementitious systems. Due to the integration of the inventive additives, the cementitious products absorb substantially less water, thereby reducing damages caused by frost and rapid rust formation on the reinforcing steel.

IPC 8 full level

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