

Title (en)

SUPERPLASTICIZER BASED ON SURFACE-MODIFIED MINERAL NANOPARTICLES FOR MORTAR AND CONCRETE

Title (de)

FLIESSMITTEL AUF DER BASIS VON OBERFLÄCHENMODIFIZIERTEN MINERALNANOPARTIKELN FÜR MÖRTEL UND BETON

Title (fr)

SUPERPLASTIFIANT À BASE DE NANOPARTICULES MINÉRALES À SURFACE MODIFIÉE POUR MORTIER ET BÉTON

Publication

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Application

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Abstract (en)

[origin: WO2011148091A1] The invention relates to a superplasticizer for a cementitious composition, such as cement paste, mortar or concrete, characterized in that it is in the form of surface-modified particles constituted of mineral nanoparticles covered with a polymer coating formed predominantly of polyalkyl oxides. It enables a good fluidity to be maintained, without retardation of setting, and also gives the mortar or concrete composition anti-shrink properties.

IPC 8 full level

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See references of WO 2011148091A1

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