

Title (en)
USE OF AN ADDITIVE AS AN AGENT AIDING IN THE REMOVAL OF FORMWORK

Title (de)
VERWENDUNG EINES ADDITIVS ALS ENTSCHALUNGSHILFSMITTEL

Title (fr)
UTILISATION D'UN ADDITIF COMME PRODUIT DE DECOFFRAGE

Publication
EP 1963239 A2 20080903 (DE)

Application
EP 06829223 A 20061130

Priority
• EP 2006011532 W 20061130
• DE 102005057507 A 20051201

Abstract (en)
[origin: WO2007062854A2] Disclosed is the use of an additive as an agent aiding in the removal of formwork when using chemical construction materials. Suspensions of inorganic particles based on aluminum oxide and/or silicon oxide, polymeric (meth)acrylic acid derivatives, saponified polyvinyl alcohols, or copolymers or terpolymers that contain water-soluble sulfonic groups and have a mean molecular weight ranging from 50,000 to 20,000,000 g/mol can be used as representatives of said additive. Preferably, aluminum-modified colloidal silica or (meth)acrylamide, methyl acrylate, or cyclohexyl acrylate is used, for example. (Partly) water-soluble polyvinyl alcohols in a partially saponified form, i.e. at a saponification rate of 60 to 96 percent, are also suitable. The respective additive can be added to the mixing water or be added to the chemical construction material after being dissolved in the dispersing agent or simultaneously with the dispersing agent. Alternatively, the additive can be applied to the area of the formwork adjoining the chemical construction material before said material is introduced into the formwork. The novel use as an agent aiding in the removal of formwork results in a simplified formwork removal process or easier pulling away of the formwork parts during in-line production when manufacturing precast concrete parts as the adhesive forces are reduced.

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Citation (search report)
See references of WO 2007062854A2

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