

Title (en)
POWDERY COMPOSITION BASED ON WATER-SOLUBLE POLYMERS

Title (de)
PULVERFÖRMIGE ZUSAMMENSETZUNG AUF DER BASIS VON WASSERLÖSLICHEN POLYMEREN

Title (fr)
COMPOSITION PULVERULENTE A BASE DE POLYMERES SOLUBLES DANS L'EAU

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Application
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Abstract (en)
[origin: WO0158994A1] The invention relates to a powdery composition based on water-soluble polymers which essentially contains: a) 50 to 95 wt. % of a water-soluble polymer which is synthesized from sulfonates of lignin and/or sulfonated melamine formaldehyde, naphthalene formaldehyde and/or ketone formaldehyde condensation products, and; b) 5 to 95 wt. % of a fine particle mineral supporting material with a preferred specific surface ranging from 0.01 to 500 m²/g. Calcium carbonate, dolomite, clays, fly ashes, Portland cements, and gypsum are suitable typical supporting materials and, to this end, should preferably comprise a particle size ranging from 0.1 to 1,000 µm. The invention also relates to a method for producing said composition, whereby the water-soluble polymer is first of all worked into the respective supporting material, which is carried out, in particular, in the form of an aqueous solution during at least one step and can additionally involve intermediate drying steps. These compositions are used in quantities ranging from 0.05 to 5 wt. % of polymer in building materials such as bituminous products, cement, calcium-based building materials and/or oil field building materials, whereby they can also be combined with other building material additives and with filling material mixtures. The powdery compositions are characterized by, among other things, their very good pourability, they are tack-free, extremely easy to dose and to process, and they positively influence product properties such as flowability.

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Cited by
CN107586083A; CN108821731A

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