

Title (en)

USE OF COPOLYMERS FOR IMPROVING THE EARLY-AGE MECHANICAL RESISTANCE OF A HYDRAULIC COMPOSITION

Title (de)

VERWENDUNG VON COPOLYMEREN ZUR VERBESSERUNG DES FRÜHEN MECHANISCHEN WIDERSTANDS EINER HYDRAULISCHEN ZUSAMMENSETZUNG

Title (fr)

UTILISATION DE COPOLYMERES POUR AMELIORER LA RESISTANCE MECANIQUE AUX JEUNES AGES D'UNE COMPOSITION HYDRAULIQUE

Publication

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Application

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Abstract (en)

[origin: WO2016146935A1] The invention concerns the use, for increasing the early-age mechanical resistance of a hydraulic composition, of at least one copolymer obtained by polymerisation from a mixture of monomers comprising: - at least one anionic monomer (a) comprising a polymerisable unsaturated function and a carboxylic group; and - at least one monomer (b) of following formula (I): $H_2C=C(-R_1)-(CH_2)_p-O-[EO]_n-(PO)_m-H$ (I) in which: R1 represents a hydrogen atom or a CH3 group, p is equal to 1 or 2, $[(EO)_n-(PO)_m]$ represents a polyalkoxylated chain consisting of ethoxylated units EO and propoxylated units PO, distributed into blocks, alternating or statistical, and m and n represent integers varying between 1 and 250, the sum of m and n being greater than or equal to 10, provided that the molar proportion of the ethoxylated units in the polyalkoxylated chain $(n)/(m+n)$ is strictly less than 90 %.

IPC 8 full level

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Citation (search report)

See references of WO 2016146935A1

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