

Title (en)  
DRY CEMENT COMPOSITION FOR PREPARING A WET COATING FORMULATION CONSISTING OF NON-EFFLORESCENT MORTAR OR CEMENT

Title (de)  
TROCKENE ZEMENTZUSAMMENSETZUNG ZUR HERSTELLUNG EINER NASSLACKFORMULIERUNG AUS NICHT EFFLORESZIERENDEM MÖRTEL ODER ZEMENT

Title (fr)  
COMPOSITION CIMENTAIRE SECHE POUR LA PREPARATION D'UNE FORMULATION HUMIDE D'ENDUIT, DE MORTIER OU DE BETON SANS EFFLORESCENCE

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Abstract (en)  
[origin: WO2012127066A1] The invention relates to a dry cement composition for preparing a wet coating formulation consisting of mortar or concrete, enabling, in particular, the creation of thick non-efflorescent inorganic coatings without adversely affecting the other properties required for the corresponding wet formulation, namely handiness, workability, pumpability, rheology, ease of mixing and application, as well as ease of cleaning tools, and without adversely affecting the properties of the hardened objects obtained from said wet formulation, namely surface protection/sealing, hardness, resistance to cracks, durability, and fire resistance. The composition according to the invention includes (a) CAC and/or CSA and (c) anhydrite, and at least one of the following compositions: (b) an organic binder; (d) a setting retarder; (e) a setting accelerator; (f) a water-retaining agent; (g) a filler; (h) a waterproofing agent; (i) a coloring agent; (j) a photocatalytic additive; (k) fibers; and (m) an antifoaming agent. Said composition is (almost entirely) free of Portland cement, and the ratio of the composition (a)/(c) is between 90/10 and 99.99/0.01. The invention also relates to the wet formulation obtained by mixing the cement composition with water, to the methods for preparing the cement composition and the corresponding wet formulation, to the coating obtained by applying the wet formulation, to the application thereof, and to the coated substrates.

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