

Cement Slurry Composition

Abstract

5 The present invention relates to a cement slurry composition comprising: 25% to 60% by volume of cenospheres; 15% to 45% by volume of a combination of a cementitious material and an additive; 20% to 35% by volume of water and 3% to 15% by volume of air; wherein the total volume of the composition adds to 100%, and wherein the cementitious material comprises 30% to 95% of hydraulic cement by weight of total cementitious material (BWTC) and 5% to 70% of pozzolan BWTC, the additive is present at an amount of 0.1% to 6% BWTC, whereby the total weight of the cementitious material adds to 100%. The present invention also relates to a method
10 of preparing the cement slurry composition, a set or hardened cement obtained from the cement slurry composition and the use of the cement slurry composition in cementing or plugging oil and gas well, and in civil construction and architecture.

[No suitable figure]