

ABSTRACT OF THE DISCLOSURE

The invention has for its object to provide liquid quick-setting agent that is improved in terms of storage stability and fluidity in spite of the fact that aluminum sulfate is contained in high solid-basis concentrations. At least 30 parts by mass of aluminum sulfate as calculated on solid basis and a bisphenol-type condensation product are contained per 100 parts by mass of the liquid quick-setting agent. It is preferable that 30 to 45 parts by mass of aluminum sulfate and 0.5 parts by mass of the bisphenol-type condensation product, as calculated on solid basis, are contained per 100 parts by mass of the liquid quick-setting agent, with the balance of water; the bisphenol-type condensation product has an average molecular weight of 1,000 to 30,000; the bisphenol-type condensation product is bisphenol S; and the liquid quick-setting agent is a suspension in which insoluble particles containing aluminum sulfate are dispersed at -5 to 40°C. The invention also relates to a cement composition containing cement and the liquid quick-setting agent, a spraying material containing the cement composition, and a spraying method involving mixing cement with the liquid quick-setting agent.