

ABSTRACT

CEMENT COMPOSITION, METHOD FOR PRODUCING SAME, AND METHOD FOR PRODUCING FLY ASH FOR CEMENT COMPOSITION

Provided are a cement composition contributing to
5 long-term strength development, a method for producing same,
and a method for preparing fly ash for the composition, the fly
ash can maintain properties as an admixture such as improvement
of fluidity or contribution to strength development, and the
all raw material fly ash obtained from a coal-fired power plant
10 or the like as an admixture without removal of coarse powder
by classification can be contained.

The cement composition comprises cement and fly ash, in
which a fly ash content is 30 mass% or lower, and the fly ash
satisfies the following Expression (I) in a volume-based
15 particle diameter distribution.

$$0.24 < (D50 - D10) / (D90 - D50) \leq 0.5 \quad (I)$$

(In the expression, D10, D50, and D90 represent particle
diameters corresponding to a cumulative frequency of 10%, a
cumulative frequency of 50%, and a cumulative frequency of 90%
20 in order from the smallest diameter of the fly ash respectively).