

ABSTRACT

Provided are a cement clinker and a cement composition which can reduce heat of hydration and have excellent
5 short-term strength development.

A cement clinker includes: C₃S in a proportion, calculated by Bogue formula, of 50% to 75% by mass; C₂S in a proportion, calculated by Bogue formula, of 5% to 25% by mass; C₃A and C₄AF in a total proportion, calculated by
10 Bogue formula, of 15% to 22% by mass; MgO; TiO₂; MnO; and ZnO, in which Formula (1) is satisfied.

$$C_{\text{Mg-C3A}} \times C_{\text{Ti-C3A}} \times C_{\text{Mn-C3A}} \times C_{\text{Zn-C3A}} \leq 0.0010 \dots (1)$$

In Formula (1),

C_{Mg-C3A} represents the content rate of MgO (% by mass)
15 in C₃A,

C_{Ti-C3A} represents the content rate (% by mass) of TiO₂
in C₃A,

C_{Mn-C3A} represents the content rate (% by mass) of MnO
in C₃A, and

20 C_{Zn-C3A} represents the content rate (% by mass) of ZnO
in C₃A.