

ABSTRACT

A cement composition including: an ordinary Portland cement clinker containing 51% to 62% by mass of C_3S and 7% to 10% by mass of C_4AF , which are calculated by Bogue's formula; a gypsum; a limestone; and an auxiliary agent containing alkanolamine, in which a content of the alkanolamine in a total amount of the ordinary Portland cement clinker, the gypsum, and the auxiliary agent is 10 to 210 mg/kg, a content of the limestone in a total amount of the ordinary Portland cement clinker, the gypsum, the auxiliary agent, and the limestone is 3% to 10% by mass, a unit cell volume of C_4AF is more than 0.4290 nm^3 , and Blaine specific surface area is 2,800 to 3,500 cm^2/g . The cement composition has high strength and excellent flowability.