

ABSTRACT

Adopted is a cementitious material for three-dimensional modeling for construction, containing (A) a cement, (B) an aggregate, (C) a dispersant containing a lignin sulfonic acid-based dispersant (R) and a melamine sulfonic acid-based dispersant (M) at a mass ratio R:M of 100:80 to 400, (D) a diutan gum having an average molecular weight in the range of 2,000,000 to 8,000,000 and having a viscosity of a 0.25 mass% aqueous solution in the range of 2,000 to 10,000 mPa·s, (E) a setting retarder, (F) an amorphous calcium aluminosilicate containing 10 to 25% by mass of SiO₂ based on oxide, (G) a gypsum, and (H) a short fiber. According to the present invention, it is possible to provide a cementitious material for three-dimensional modeling for construction capable of providing excellent self-standing ability and excellent strength developability and a method of three-dimensional modeling for construction.