

**CEMENT COMPOSITION AND MANUFACTURING METHOD FOR CEMENT CURED
BODY USING SAME**

Abstract

Provided is a cement composition that has high fluidity (for example, a 0-drop flow value of 200 mm or more) before curing and exhibits high compressive strength (for example, 320 N/mm² or more) after curing. The cement composition includes a cement, a silica fume having a BET specific surface area of from 10 m²/g to 25 m²/g, an inorganic powder having a 50% cumulative particle size of from 0.8 μm to 5 μm, a fine aggregate having a maximum particle size of 1.2 mm or less, a water reducing agent, an antifoaming agent, and water. The ratio of the cement is from 55 vol% to 65 vol%, the ratio of the silica fume is from 5 vol% to 25 vol%, and the ratio of the inorganic powder is from 15 vol% to 35 vol% in the total amount of 100 vol% of the cement, the silica fume, and the inorganic powder.

FIG 1