

**BINDER BASED ON CALCIUM ALUMINOSILICATE DERIVATIVES FOR
CONSTRUCTION MATERIALS**

ABSTRACT

The present invention relates to a hydraulic binder comprising at least 80% by weight of a ground granulated blast-furnace slag and at least one accelerator of the hardening reaction, said accelerator comprising at least one source of calcium sulfate and at least one nucleating agent in the form of particles, the BET specific surface area of which is greater than $1 \text{ m}^2/\text{g}$ and the size of which is such that 50% of the particles have a mean diameter of less than $5 \mu\text{m}$, said particles being chosen from calcium carbonates, magnesium carbonates, calcium magnesium carbonates, calcium silicate hydrates, aluminum silicate hydrates, alone or as a mixture. This binder may be used in a mortar or concrete composition which, once mixed with water, makes it possible to obtain construction materials.

No figure