

[ABSTRACT]

Title of Invention METHOD FOR PRODUCING SELF-HARDENING MATERIAL.

5 [OBJECT] To improve workability.

[SOLUTION] A method for producing a self-hardening material, includes: a first step of subjecting fly ash to unburned carbon removal treatment to produce unburned carbon removal-treated fly ash; a second step of subjecting the unburned carbon
10 removal-treated fly ash to mechanochemical treatment to activate a surface of the unburned carbon removal-treated fly ash; a third step of mixing a strong alkaline solution and silicon fine powder to prepare a silicon mixture in which a silicon component is dissolved in the strong alkaline solution;
15 and a fourth step of mixing the unburned carbon removal-treated fly ash whose surface has been activated and the silicon mixture.

20 Fig. 2