

ABSTRACT

METHOD OF PREVENTING CONCRETE EXFOLIATION

It is an object of the present invention to provide a method of preventing concrete exfoliation which uses a resin composition having excellent workability of applying with a trowel or a paddle because of being provided with sufficient viscosity from the instant following mixing and having a set-to-touch time of several hours or less, and can prevent the concrete pieces exfoliation even without using reinforcing materials, and a method of repairing concrete in which a location requiring repair can be readily found and repaired.

A method of preventing concrete exfoliation comprising a step (1) of forming a high strength resin coating film by applying a resin composition to the surface of concrete,

wherein said resin composition is obtained by mixing a component A containing polyol and aliphatic polyamine and a component B containing polyisocyanate, and

the viscosity of the resin composition just after mixing is 15 Pa·s or larger, and the viscosity of the resin composition after a lapse of 10 minutes from the mixing is 1000 Pa·s or smaller, and a set-to-touch time is 1 to 4 hours in environment of 20°C, and

said high strength resin coating film has tensile strength of 10 MPa or larger and percentage elongation of 30% or higher in environments of 20°C and 65% in humidity.