

COAT FOR PREVENTING CONCRETE EXFOLIATION AND METHOD OF FORMING COAT
FOR PREVENTING CONCRETE EXFOLIATION

ABSTRACT

It is an object of the present invention to provide a coat
for preventing concrete exfoliation, which has the high ability
5 to follow the displacement of a substrate and can secure adequate
function of preventing the concrete exfoliation, and a method
of forming a coat for preventing concrete exfoliation.

A coat for preventing concrete exfoliation comprising a
displacement layer provided on a concrete substrate and a
10 reinforcing layer provided on said displacement layer,

wherein (1) said displacement layer has cohesion or
adhesion to said substrate of 0.1 to 50 N/mm at a temperature
of 23°C and 65% in humidity and at a peeling speed of 50 mm/minute,

(2) said reinforcing layer has tensile strength of 5 MPa
15 or larger and percentage elongation of 3% or higher at a
temperature of 23°C and 65% in humidity and at a tensile speed
of 10 mm/minute, and

(3) said coat for preventing concrete exfoliation has a
maximum displacement of 10 mm or larger and a maximum load of
20 0.3 kN or larger in a punching shear test of concrete of 100
mm in diameter in environments of a temperature of 23°C and 65%
in humidity.

(NO ATTACHED FIGURE)