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(54) **ADHESIVE HYDROGEL AND METHOD FOR ELECTROLYTIC PROTECTION OF CONCRETE STRUCTURE**

(57) Disclosed is an adhesive hydrogel containing a polymer matrix, water, and a polyhydric alcohol, wherein the polymer matrix contains a copolymer of a monofunctional monomer with a single polymerizable C-C double bond and a polyfunctional monomer with two or more polymerizable C-C double bonds, the monofunctional

monomer contains a nonionic (meth)acrylamide-based monomer, and the polyfunctional monomer has a composition formula: C_lH_mO_n, where O is an oxygen atom in an ether bond, l is an integer greater than or equal to 4, m is an integer greater than or equal to 6, and n is an integer greater than or equal to 0.

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