

## ABSTRACT

To provide an antifouling coating composition capable of forming an antifouling coating film that exhibits an antifouling performance against fouling with microorganisms for a prolonged period of time even under an environment where the coating film is exposed to a dynamic water flow, and has good adhesiveness to the underlying material. To provide an antifouling coating film formed with the antifouling coating composition, a laminated antifouling coating film, a substrate with an antifouling coating film and a method for producing the same, and an antifouling method. The antifouling coating composition of the present invention contains: a curable organopolysiloxane (A); and a polymer (B) containing a constituent unit derived from at least one selected from the group consisting of an unsaturated monomer (b1) represented by the following formula (I), a tetrahydrofurfuryl (meth)acrylate (b2), a 4-(meth)acryloylmorpholine (b3), and a vinylpyrrolidone (b4), wherein in the formula (I), R<sup>1</sup> represents a hydrogen atom or a monovalent hydrocarbon group having 1 to 10 carbon atoms; R<sup>2</sup> represents an ethylene group or a propylene group; R<sup>3</sup> represents a divalent hydrocarbon group having 4 to 10 carbon atoms; R<sup>4</sup> represents a hydrogen atom or a monovalent hydrocarbon group having 1 to 30 carbon atoms; m represents an integer of 1 to 50; n represents an integer of 0 to 50; and X represents an ester bond, an amide bond, or a single bond.

