

ABSTRACT

ANTIFOULING COATING COMPOSITION, ANTIFOULING COATING FILM, SUBSTRATE WITH ANTIFOULING COATING FILM, PRODUCTION METHOD THEREOF, AND REPAIR METHOD

An object is to provide an antifouling coating composition capable of forming an antifouling coating film that can retain the appearance demanded for the coating film and is excellent in long-term antifouling property even though the antifouling coating composition is coated directly on an aged antifouling coating film including a fragile layer, from which the antifouling agent component has been eluted due to the long-term exposure to water, an antifouling coating film, a substrate with an antifouling coating film and a method for producing the same, and a repair method of the aged antifouling coating film. The antifouling coating composition of the present invention is an antifouling coating composition containing a silyl ester copolymer (A) having a constitutional unit derived from triisopropylsilyl methacrylate (a1) and a constitutional unit derived from an ethylenically unsaturated monomer other than triisopropylsilyl methacrylate (a1) and having a solid content acid value of 0.1 to 10 mgKOH/g, and a rosin compound and/or a monocarboxylic acid compound (B), a content of the rosin compound and/or monocarboxylic acid compound (B) being 100 parts by mass or less per 100 parts by mass of the solid content of the silyl ester copolymer (A).