Claims

[Claim 1]

A covering composition in which a heat-resistant resin (A), a non melt-processible fluorine-containing polymer (B) and a melt-processible fluorine-containing polymer (C) are dispersed in a water medium,

wherein the particulate resins (A) to (C) have an average particle size of 0.1 to 10 μm,

wherein the covering composition further comprises a nonionic surfactant having a HLB of 10 or lower, and

wherein the covering composition comprises less than 0.050 mass% of methylcellulose.

[Claim 2]

The covering composition according to claim 1, wherein the heat-resistant resin (A) is polyamide imide and/or polyimide (A-1).

[Claim 3]

The covering composition according to claim 1, wherein the heat-resistant resin (A) is polyamide imide and/or polyimide (A-1), and polyether sulfone (A-2).

[Claim 4]

The covering composition according to claim 3, wherein a mass ratio of polyamide imide and/or polyimide (A-1) to polyether sulfone (A-2) ((A-1) : (A-2)) is 85 : 15 to 65 : 35, and

wherein a mass ratio of the total amount of polyether sulfone and polyamide imide and/or polyimide (A) to the total amount of the non melt-processible fluorine-containing polymer (B) and the melt-processible fluorine-containing polymer (C) ((A) : (B) + (C)) is 15 : 85 to 35 : 65.

[Claim 5]

The covering composition according to any one of claims 1 to 4, wherein the non melt-processible fluorine-containing polymer (B) is polytetrafluoroethylene and/or modified polytetrafluoroethylene.

[Claim 6]

The covering composition according to any one of claims 1 to 5, wherein the melt-processible fluorine-containing polymer (C) is a tetrafluoroethylene/hexafluoropropylene copolymer (FEP) and/or a tetrafluoroethylene/perfluoroalkyl vinyl ether copolymer (PFA).

[Claim 7]

The covering composition according to any one of claims 1 to 6, wherein the covering composition is directly applied onto a substrate made from metal or a non-metal inorganic material, or applied onto a layer made from a heat-resistant resin.

[Claim 8]

A covered article comprising:

a substrate;

a primer layer formed by directly applying the covering composition of any one of claims 1 to 6 to the substrate; and

a topcoat layer containing a fluorine-containing polymer.

[Claim 9]

The covered article according to claim 8, further comprising a middle coat layer between the primer layer and the topcoat layer.

[Claim 10]

The covering composition according to any one of claims 1 to 6, wherein the amount of the nonionic surfactant having an HLB of 10 or lower is 2.0 to 10.0 mass% based on the total mass of the covering composition.

[Claim 11]

The covering composition according to any one of claims 1 to 6, wherein the nonionic surfactant is non-alkylphenol-type nonionic surfactants.

[Claim 12]

The covering composition according to any one of claims 1 to 6, wherein a viscosity of the covering composition is 100 to 300 cP at 25°C.