Claims

1. An aqueous resin composition for forming a thick film comprising:

an aqueous synthetic resin emulsion (A); and

a glass filler (B),

wherein the composition has a non-volatile content of 65 to 85% by mass.

2. The aqueous resin composition for forming a thick film according to claim 1, wherein the viscosity of the composition is 8,000 mPa·s or more.

3. The aqueous resin composition for forming a thick film according to claim 1 or 2, wherein the content of the glass filler (B) is 25% or more by mass of the non-volatile content of the aqueous resin composition for forming a thick film.

4. The aqueous resin composition for forming a thick film according to any one of claims 1 to 3, wherein the solid content ratio of the aqueous synthetic resin emulsion (A) to the glass filler (B) is from 7/3 to 3/7.

5. The aqueous resin composition for forming a thick film according to any one of claims 1 to 4, wherein an average particle size of the glass filler (B) is 0.3 mm or less.

6. The aqueous resin composition for forming a thick film according to any one of claims 1 to 5, wherein the aqueous synthetic resin emulsion

(A) is a styrene-acrylic resin emulsion or an acrylic resin emulsion.

7. A method for treating a surface to be treated, the method comprising forming a film having a thickness of 0.1 to 2.0 mm by applying the aqueous resin composition for forming a thick film according to any one of claims 1 to 6 to the surface to be treated and then drying the composition.

8. A method for treating a surface of a concrete structure, the method comprising applying the aqueous resin composition for forming a thick film according to any one of claims 1 to 6 to the concrete structure and then drying the composition.

CLAIMS

[Claim 1]

An aqueous resin composition for forming a thick film comprising:
a styrene-acrylic resin emulsion (A) which contains 10 to 80% by mass of a component derived from styrene monomer based on resin components; and a glass filler (B), at least one glass filler (B) selected from the group consisting of glass frit and glass flake, wherein the composition has a non-volatile content of 65 to 70% by mass and the viscosity of the composition is 9,000 to 60,000 mPa·s.

[Claim 2]

The aqueous resin composition for forming a thick film according to claim 1, wherein the content of the glass filler (B) is 25% or more by mass of the non-volatile content of the aqueous resin composition for forming a thick film.

[Claim 3]

The aqueous resin composition for forming a thick film according to claim 1 or 2, wherein the solid content ratio of the aqueous synthetic resin emulsion (A) to the glass filler (B) is from 7/3 to 3/7.

[Claim 4]

The aqueous resin composition for forming a thick film according to any one of claims 1 to 3, wherein an average particle size of the glass filler (B) is 1 to 100μm.

[Claim 5]

A method for treating a surface to be treated, the method comprising forming a film having a thickness of 0.1 to 2.0 mm by applying the aqueous resin composition for forming a thick film according to any one of claims 1 to 4 to the surface to be treated and then drying the composition.

[Claim 6]

A method for treating a surface of a concrete structure, the method comprising applying the aqueous resin composition for forming a thick film according to any one of claims 1 to 4 to the concrete structure and then drying the composition.