CLAIMS

1. A powder coating composition comprising a fluorinated resin (A), a polyester polymer (B), a curing agent (C) and an ultraviolet absorber (D), wherein the polyester polymer (B) is a polyester polymer comprising units derived from a C_{8-15} aromatic polybasic carboxylic acid compound and units derived from a C_{2-10} a polyhydric alcohol compound.

2. The powder coating composition according to Claim 1, wherein the fluorinated resin (A) is a hydroxyl group-containing fluorinated polymer (A1).

3. The powder coating composition according to Claim 1, wherein the fluorinated resin (A) is a polyvinylidene fluoride.

4. A powder coating composition comprising a hydroxyl group-containing fluorinated polymer (A1), a polyester polymer (B), a blocked isocyanate curing agent (C1) and an ultraviolet absorber (D1) which is selected from the group consisting of an inorganic ultraviolet absorber and an organic ultraviolet absorber having a molecular weight of from 200 to 1,000 and a melting point of from 50 to 150°C, wherein the polyester polymer (B) is a polyester polymer comprising units derived from a C_{8-15} aromatic polybasic carboxylic acid compound and units derived from a C_{2-10} a polyhydric alcohol compound.

5. The powder coating composition according to any one of Claims 1 to 4, wherein the units derived from the aromatic polybasic carboxylic acid compound in the polyester polymer (B) are at least one type selected from the group consisting of units derived from phthalic acid, units derived from isophthalic acid, units derived from terephthalic acid, units derived from naphthalenedicarboxylic acid, units derived from trimellitic acid and units derived from pyromellitic acid.

6. The powder coating composition according to any one of Claims 1 to 5, wherein the polyester polymer (B) contains from 30 to 60% of units derived from the aromatic polybasic carboxylic acid compound per the total units in the polyester polymer and has a number average molecular weight of from 500 to 5,000.

7. The powder coating composition according to any one of Claims 1 to 6, wherein the content ratio of the fluorinated resin (A) to the polyester polymer (B) is from 70/30 to 10/90 by mass ratio.

8. The powder coating composition according to any one of Claims 1 to 7, wherein

the content of the curing agent (C) is from 10 to 100 parts by mass per 100 parts by mass in total of the fluorinated resin (A) and the polyester polymer (B).

9. The powder coating composition according to any one of Claims 1 to 8, which further contains a pigment (E).

10. The powder coating composition according to any one of Claims 1 to 9, which further contains a hindered amine light stabilizer (G) having a molecular weight of from 300 to 5,000 and a melting point of from 50 to 250°C.

11. A process for producing a cured film, which comprises coating a substrate with the powder coating composition as defined in any one of Claims 1 to 10 to form a coating film made of a melt of the powder coating composition on the substrate, reacting reactive components in the powder coating composition and then cooling the coating film in the molten state to room temperature for solidification.

12. A coated article having a cured film produced by the process as defined in Claim 11 on a surface.

CLAIMS

1. A powder coating composition comprising a fluorinated resin (A), a polyester polymer (B), a curing agent (C) and a lipophilic ultraviolet absorber (D), with a volatization temperature of from 220 °C to 350 °C, wherein the polyester polymer (B) is a polyester polymer comprising units derived from a C_{8-15} aromatic polybasic carboxylic acid compound and units derived from a C_{2-10} a polyhydric alcohol compound.

2. The composition according to Claim 1, wherein the fluorinated resin (A) is a hydroxyl group-containing fluorinated polymer (A1).

3. The composition according to Claim 1, wherein the fluorinated resin (A) is a polyvinylidene fluoride.

4. A powder coating composition comprising a hydroxyl group-containing fluorinated polymer (A1), a polyester polymer (B), a blocked isocyanate curing agent (C1) and a lipophilic ultraviolet absorber (D1) which is selected from the group consisting of an inorganic ultraviolet absorber and an organic ultraviolet absorber having a molecular weight of from 200 to 1,000 and a melting point of from 50 to 150°C, with a volatization temperature of from 220 °C to 350 °C, wherein the polyester polymer (B) is a polyester polymer comprising units derived from a C_{8-15} aromatic polybasic carboxylic acid compound and units derived from a C_{2-10} a polyhydric alcohol compound.

5. The composition according to any one of Claims 1 to 4, wherein the units derived from the aromatic polybasic carboxylic acid compound in the polyester polymer (B) are at least one type selected from the group consisting of units derived from phthalic acid, units derived from isophthalic acid, units derived from terephthalic acid, units derived from naphthalenedicarboxylic acid, units derived from trimellitic acid and units derived from pyromellitic acid.

6. The composition according to any one of Claims 1 to 5, wherein the polyester polymer (B) contains from 30 to 60% of units derived from the aromatic polybasic

carboxylic acid compound per the total units in the polyester polymer and has a number average molecular weight of the polyester polymer (B) is from 500 to 5,000.

7. The composition according to any one of Claims 1 to 6, wherein the content ratio of the fluorinated resin (A) to the polyester polymer (B) is from 70/30 to 10/90 by mass ratio.

8. The composition according to any one of Claims 1 to 7, wherein the content of the curing agent (C) is from 10 to 100 parts by mass per 100 parts by mass in total of the fluorinated resin (A) and the polyester polymer (B).

9. The composition according to any one of Claims 1 to 8, which further contains a pigment (E).

10. The composition according to any one of Claims 1 to 9, which further contains a hindered amine light stabilizer (G) having a molecular weight of from 300 to 5,000 and a melting point of from 50 to 250°C.

11. A process for producing a cured film, which comprises coating a substrate with the powder coating composition as defined in any one of Claims 1 to 10 to form a coating film made of a melt of the powder coating composition on the substrate, reacting reactive components in the powder coating composition and then cooling the coating film in the molten state to room temperature for solidification.

12. A coated article having a cured film produced by the process according to Claim 11 on a surface.