【CLAIMS】

【Claim 1】

A clear paint composition comprising 1 to 20 parts by weight of a silane-modified acrylic resin, 1 to 20 parts by weight of a first polyester polyol resin, 1 to 20 parts by weight of a second polyester polyol resin, 15 to 35 parts by weight of a melamine resin, and 1 to 10 parts by weight of an urethane resin, wherein the number average molecular weight of the first polyester polyol resin is greater than the number average molecular weight of the second polyester polyol resin,

wherein the silane-modified acrylic resin has a glass transition temperature of 30 to 50 ℃, a hydroxyl value of 80 to 90 mgKOH/g, and an acid value of 5 mgKOH/g or less,

wherein the first polyester polyol resin has a hydroxyl value of 100 to 180 mgKOH/g, an acid value of 10 to 50 mgKOH/g, and a number average molecular weight of 1,300 to 2,500 g/mol,

wherein the second polyester polyol resin has a hydroxyl value of 200 to 400 mgKOH/g, and a number average molecular weight of 500 to 1,000 g/mol,

wherein the melamine resin has a weight average molecular weight of 100 to 5,000 g/mol,

wherein the urethane resin has a weight average molecular weight of 8,000 to 13,000 g/mol.

~~【Claim 2】~~

~~The clear paint composition according to claim 1, wherein the silane-modified acrylic resin has a glass transition temperature of 30 to 50 ℃, a hydroxyl value of 80 to 90 mgKOH/g, and an acid value of 5 mgKOH/g or less.~~

~~【Claim 3】~~

~~The clear paint composition according to claim 1, wherein the first polyester polyol resin has a hydroxyl value of 100 to 180 mgKOH/g, an acid value of 10 to 50 mgKOH/g, and a number average molecular weight of 1,300 to 2,500 g/mol.~~

~~【Claim 4】~~

~~The clear paint composition according to claim 1, wherein the second polyester polyol resin has a hydroxyl value of 200 to 400 mgKOH/g, and a number average molecular weight of 500 to 1,000 g/mol.~~

【Claim ~~5~~2】

The clear paint composition according to claim 1, wherein the mixing ratio of the first polyester polyol resin and the second polyester polyol resin is a weight ratio of 1:0.1 to 1:5.

~~【Claim 6】~~

~~The clear paint composition according to claim 1, wherein the composition contains 1 to 20 parts by weight of the silane-modified acrylic resin, 1 to 20 parts by weight of the first polyester polyol resin, 1 to 20 parts by weight of the second polyester polyol resin, 15 to 35 parts by weight of the melamine resin and 1 to 10 parts by weight of the urethane resin.~~