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CLAIMS

1. A coating composition having a solids content of greater than 70% by weight and/or a Volatile Organic Content (VOC) of less than 250 g/l, comprising a polyester polyol, the polyester polyol prepared from reactants comprising:

   (a) from 10 to 40 weight percent of one or more polyols comprising 3 or more hydroxyl groups per molecule,

   (b) from 10 to 40 weight percent of one or more aromatic polycarboxylic acid(s) comprising 2 or more acid groups per molecule or corresponding ester(s) and/or anhydride(s) thereof, and

   (c) from 30 to 75 weight percent of one or a mixture of C_6-C_{20} monobasic fatty acids, wherein the one or the mixture of C_6-C_{20} monobasic fatty acids have an iodine value of less than 30cg/g and is a liquid in conformity with ASTM (1996) D4359-90,

   wherein the polyester polyol has a hydroxyl value (OHV) of greater than 60 and less than 200 mgKOH/g, and the weight percent of each component (a), (b) or (c) is the percentage of the weight of that component to the total weight of (a)+(b)+(c),

   and at least one isocyanate-functional a curing agent, and

   wherein the coating composition is capable of curing at ambient temperature.

2. The coating composition of claim 1, wherein the polyester polyol is prepared form reactants comprising:

   from 10 to 40 weight percent of component (a),

   from 10 to 30 weight percent of component (b), and

   from 35 to 75 weight percent of component (c)

wherein the weight percent of each component (a), (b) or (c) is the percentage of the weight of that component to the total weight of (a)+(b)+(c).

3. The coating composition of claim 1 wherein the polyester polyol is prepared form reactants comprising:

   from 17 to 30 weight percent of component (a),

   from 14 to 25 weight percent of component (b), and

   from 46 to 67 weight percent of component (c)

   wherein the weight percent of each component (a), (b) or (c) is the percentage of the weight of that component to the total weight of (a)+(b)+(c).

4. The coating composition of any preceding claim, wherein the polyol comprising 3 or more hydroxyl groups is pentaerythritol.

5. The coating composition according to any preceding claim, wherein the one or the mixture of C_6-C_{20} fatty acids is one or a mixture of C_6-C_{20} fatty acids, or C_6-C_{14} fatty acids, or one or a mixture of C_8-C_{10} fatty acids, wherein the one or the mixture of C_6-C_{20} monobasic fatty acids have an iodine value of less than 30cg/g.

6. The coating composition according to any preceding claim, wherein the one or more aromatic polycarboxylic acid(s) comprises one or a mixture of isophthalic acid, terephthalic acid and phthalic acid.

7. The coating composition according to any preceding claim wherein at least 50 mole % of the one or more polycarboxylic acid(s) is isophthalic acid.

8. The coating composition according to any preceding claim wherein the polyester polyol has a number average molecular weight (Mn) ranging from 1000 to 5000, preferably 1500 to 2500.

9. The coating composition according to any preceding claim having a viscosity in the range of 1 to 20 poise at 25°C.

10. The coating composition of claim 1, wherein the stoichiometic ratio of isocyanate groups:hydroxyl groups ranges from 0.5:1 to 3:1.

11. A substrate coated with a coating composition as defined in any preceding claim.

12. A method of coating a substrate by applying a coating composition as defined in any of claims 1-10 to a substrate and allowing the coating composition to cure at an ambient temperature to form a coating layer on the substrate.

13. The coating composition of Claim 1-10 in the form of a two-pack composition, one pack comprising the curing agent and the other pack comprising the polyester polyol.

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wherein the polyester polyol has a hydroxyl value (OHV) of greater than 60 and less than 200 mgKOH/g, and the weight percent of each component (a), (b) or (c) is the percentage of the weight of that component to the total weight of (a)+(b)+(c),

and at least one isocyanate-functional curing agent, and

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12. A method of coating a substrate by applying a coating composition as defined in any one of claims 1-10 to a substrate and allowing the coating composition to cure at an ambient temperature to form a coating layer on the substrate.

13. The coating composition of any one of Claims 1-10 in the form of a two-pack composition, one pack comprising the curing agent and the other pack comprising the polyester polyol.