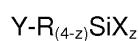


CLAIMS:

1. A particulate coating composition, and preferably a powder coating composition, comprising:
 - 5 (i) at least one epoxy resin, preferably 20-90 wt% epoxy resin;
 - (ii) at least one curing agent;
 - (iii) at least one organosilane adhesion promoter, preferably 0.001-2 wt% organosilane adhesion promoter; and
 - 10 (iv) 0.5-9.0 wt% metal flakes, wherein said metal flakes are selected from zinc flakes, aluminium flakes, stainless steel flakes, magnesium flakes or mixtures thereof.
2. A composition as claimed in claim 1, wherein said epoxy resin has an equivalent epoxy weight of 300-2000 g/equivalent.
- 15 3. A composition as claimed in claim 1 or 2, wherein said epoxy resin comprises a bisphenol A epoxy resin.
4. A composition as claimed in any one of claims 1 to 3, wherein said epoxy resin comprises a novolac-modified epoxy resin.
- 20 5. A composition as claimed in any one of claims 1 to 3, wherein said epoxy resin comprises isocyanate-modified resin, phenol novolac-modified modified epoxy resin or o-cresol novolac-modified epoxy resin.
- 25 6. A composition as claimed in any one of claims 1 to 5, wherein said curing agent is selected from phenolic curing agents and guanidines, and preferably dicyanamide.
7. A composition as claimed in any one of claims 1 to 6, wherein said metal flakes are zinc flakes.
- 30 8. A composition as claimed in any one of claims 1 to 7, comprising 1 to 5 wt% metal flakes, e.g. zinc flakes, based on the total weight of the composition.
9. A composition as claimed in any one of claims 1 to 8, wherein said
35 organosilane adhesion promoter is a compound of formula (I):



wherein z is an integer from 2 to 3;

R is an alkyl chain having 2 to 20 C atoms preferably containing an ether or amino linker;

Y is H, an amino or epoxy functional group bound to the R group and preferably Y is an epoxy functional group bound to the R group; and

X is H, halogen, C₁₋₆ alkyl or C₁₋₆ alkoxy and preferably X is C₁₋₆ alkoxy.

10. A container containing a particulate coating composition as claimed in any one of claims 1 to 9.

11. A process for preparing a particulate coating composition as claimed in any one of claims 1 to 9 comprising:

- (i) blending at least one epoxy resin, at least one curing agent, at least one organosilane adhesion promoter and 0.5-9.0 wt% of metal flakes selected from zinc flakes, aluminium flakes, stainless steel flakes, magnesium flakes or mixtures thereof, based on the total weight of the composition, to form a mixture; and
- (ii) extruding said mixture to form particles.

12. A coating, preferably a cured coating, comprising a particulate coating composition as claimed in any one of claims 1 to 9.

13. A substrate, preferably a metal substrate, e.g. a metal pipe, coated with a particulate coating composition as claimed in any one of claims 1 to 9 or a coating as claimed in claim 12.

14. A method for coating a substrate, preferably a metal substrate, e.g. a metal pipe, with a particulate coating composition as claimed in any one of claims 1 to 9, comprising:

- i) applying said particulate coating composition to said substrate; and
- ii) curing said particulate coating composition.

15. Use of a particulate coating composition as claimed in any one of claims 1 to 9 to coat a substrate, preferably a metal substrate, e.g. a metal pipe.

16. A kit comprising:
- (i) a first container containing at least one epoxy resin, at least one curing agent and at least one organosilane adhesion promoter;
 - 5 (ii) a second container containing 0.5-9.0 wt% of metal flakes selected from zinc flakes, aluminium flakes, stainless steel flakes, magnesium flakes or mixtures thereof, based on the total weight of the contents of the containers of the kit; and
 - (iii) instructions for mixing at least one epoxy resin, at least one curing agent, at least one organosilane adhesion promoter and metal flakes.
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