CLAIMS

1. A method of preparing an epoxy glow coat comprising the steps of:

mixing a predefined proportion of a clear epoxy and glow powder to obtain a viscous mixture;

applying the viscous mixture on to a desired area; and

curing the mixture,

wherein the mixture is obtained at room a temperature, and wherein the proportion is about 5 ml of the epoxy in about 5g of glow powder.

~~2. The method according to claim 1, wherein the mixture is obtained at room a temperature.~~

32. The method according to claim 1 ~~or 2~~, wherein the epoxy is Devcon 2 Ton Clear Epoxy (2 in 1).

43. The method according to claim 32, wherein the Devcon 2 Ton Clear Epoxy (2 in 1) epoxy comprises an Epoxide (resin) and polyamide (hardener).

54. The method according to claim 43, wherein the resin is Epichlorohydrin and the hardener is Bisphenol A.

65. The method according to any one of the preceding claims, wherein the glow powder comprises an Alkaline Earth-Metal Aluminate Oxide doped with Europium and has a chemical formula $MO.Al_2O_3$:EU

~~7. The method according to any one of the preceding claims, wherein the proportion is about 5 ml of the epoxy in about 5g of glow powder.~~

86. The method according to any one of the preceding claims, wherein the proportion of glow powder (in grams) to the epoxy (ml) is about (0.8-1.2) : 1

97. The method according to any one of the preceding claims, further comprising the step of applying a plurality of layers of the mixture after the curing step to obtain a glow coat with a predefined thickness.

~~10~~8. The method according to any one of the preceding claims, wherein the viscosity of the epoxy glow coat ranges between about 10 – 20 Pa.s.

~~11~~9. The method according to any one of the preceding claims, wherein the viscous mixture is applied directly to an article, or pre-formed from a mould.

~~12~~10. An article comprising an epoxy glow coat prepared in accordance with the method of any one of the preceding claims.

~~13~~11. An epoxy glow coat comprising:

a mixture obtained by mixing predefined proportions of a clear epoxy and glow powder,

wherein the mixture is obtained at room a temperature, and wherein the proportion is about 5 ml of the epoxy in about 5g of glow powder.

~~14. The epoxy glow coat according to claim 13, wherein the mixture is obtained at room temperature.~~

~~15~~12. The epoxy glow coat according to claim ~~13 or 14~~11, wherein the epoxy is Devcon 2 Ton Clear Epoxy (2 in 1).

~~16~~13. The epoxy glow coat according to claim ~~15~~12, wherein the Devcon 2 Ton Clear Epoxy (2 in 1) epoxy comprises an Epoxide (resin) and polyamide (hardener).

~~17~~14. The epoxy glow coat according to claim ~~16~~13, wherein the resin is Epichlorohydrin and the hardener is Bisphenol A.

~~18~~15. The epoxy glow coat according to any one of claims ~~13~~11 to ~~17~~14, wherein the glow powder comprises an Alkaline Earth-Metal Aluminate Oxide doped with Europium and has a chemical formula $MO.Al_2O_3$:EU

~~19. The epoxy glow coat according to any one of claims 13 to 18, wherein the proportion is about 5 ml of the epoxy in about 5g of glow powder.~~

~~20~~16. The epoxy glow coat according to any one of claims ~~13~~11 to ~~19~~15, wherein the proportion of glow powder (in grams) to the epoxy (ml) is about (0.8-1.2) : 1

~~24~~17. The epoxy glow coat according to any one of claims ~~13~~11 to ~~20~~16, wherein the glow coat is obtained by applying a plurality of layers of the mixture to obtain a desired thickness.

~~22~~18. The epoxy glow coat according to any one of claims ~~13~~11 to ~~24~~17, wherein the viscosity of the epoxy glow coat ranges between about 10 – 20 Pa.s.

~~23~~19. The epoxy glow coat according to any one of claims ~~13~~11 to ~~22~~18 wherein the glow coat is applied directly to an article, or pre-formed from a mould.