~~What is claimed is:~~

~~1.~~ ~~An additive~~1. A formulation comprising:

a Quat Silane,

a fungicide,

a defoamer, and

a material selected from the group consisting of ~~Sodium OrthophenylPhenol, Imazalil Sulphate, diiodomethyl p-tolylsulfone, carbamate, isothiazolinone, azole, chlorothalonil, zinc pyrithione, copper pyrithione, sodium pyrithione~~concrete, a cementitious material, and a combination thereof~~, and~~;

~~a defoamer,~~

wherein the ratio of the Quat Silane to the fungicide in the formulation is in a range of 10:1 to 1:10.

~~2.~~ 2. The ~~additive~~ formulation according to claim 1, wherein the Quat Silane is non-aqueous.

~~3.~~ 3. The ~~additive~~ formulation according to claim 1, wherein the ratio of the Quat Silane to the fungicide in the formulation is in a range of 5:1 to 1:5.

~~4.~~ 4. The ~~additive~~ formulation according to claim 1, wherein the defoamer is selected from the group consisting of polyether amine, ethoxylated alcohol, silicone-based defoamer, tributyl phosphate, and a combination thereof.

~~5.~~ 5. The ~~additive~~ formulation according to claim 1, wherein the defoamer is from 2 weight % to 25 weight % of the amount of the Quat Silane in the formulation.

6. The additive formulation according to claim 1, wherein the fungicide is selected from the group consisting of Sodium OrthophenylPhenol, Imazalil Sulphate, diiodomethyl-p-tolylsulfone, carbamate, isothiazolinone, azole, chlorothalonil, zinc pyrithione, copper pyrithione, sodium pyrithione, and a combination thereof.

~~6.~~ 7. The additive formulation according to claim ~~1~~6, wherein the carbamate is selected from the group consisting of Iodopropynyl butylcarbamate (IPBC), carbendazim, and a combination thereof.

~~7.~~ 8. The additive formulation according to claim ~~1~~6, wherein the isothiazolinone is selected from the group consisting of OIT (2-Octyl-2H-isothiazol-3-one), DCOIT (4,5-Dichloro-2-octyl-4-isothiazolin-3-one), BBIT (N-butyl-1, 2- benzisothiazolin-3-one), and a combination thereof.

~~8.~~ 9. The additive formulation according to claim ~~1~~6, wherein the azole is selected from the group consisting of tebuconazole and propiconazole, and a combination thereof.

~~9.~~ 10. A method of making the ~~additive~~ formulation according to claim 1, the method comprising combining the Quat Silane, the fungicide, the defoamer, and the material selected

from the group consisting of concrete, a cementitious material, and a combination thereof, wherein ~~in~~ the ratio of the Quat Silane to the fungicide is in a range of 10:1 to 1:10.

~~10.~~ 11. The method according to claim ~~9~~10, the ratio of the Quat Silane to the fungicide in the formulation is in a range of 5:1 to 1:5.

~~11.~~ 12. A ~~formulation~~method of using comprising:

~~a~~ adding an additive formulation comprising a Quat Silane,

~~a~~ a defoamer, and a fungicide to a material selected from the group consisting of concrete, a cementitious material, ~~and~~or a combination thereof, wherein the addition results in a reduction or an elimination of microbially induced corrosion.

~~12.~~ 13. The ~~formulation~~method of using according to claim ~~11~~12, wherein the Quat Silane is ~~non-aqueous~~in a ratio of the Quat Silane to the fungicide in a range of 10:1 to 1:10.

~~13.~~ 14. The ~~formulation~~method of using according to claim ~~11~~13, wherein the Quat Silane is in a ratio of the Quat Silane to the fungicide in ~~the formulation is in a~~ a range of 5:1 to 1:5.

15. The ~~formulation~~method of using according to claim ~~11~~12, wherein the addition is to a water-free system.

~~14.~~ 16. The method of using according to claim 12, wherein the defoamer is selected from the group consisting of polyether amine, ethoxylated alcohol, silicone-based defoamer, tributyl phosphate, and a combination thereof.

~~15.~~ 17. The ~~formulation~~method of using according to claim ~~11~~16, wherein the defoamer is from 2 weight % to 25 weight % of the amount of the Quat Silane in the formulation~~.~~

~~The formulation according to claim 11~~

18. The method of using according to claim 12, wherein the fungicide is selected from the group consisting of Sodium OrthophenylPhenol, Imazalil Sulphate, diiodomethyl-p-tolylsulfone, carbamate, isothiazolinone, azole, chlorothalonil, zinc pyrithione, copper pyrithione, sodium pyrithione, and a combination thereof.

~~16.~~ 19. The method of using according to claim 18, wherein the carbamate is selected from the group consisting of Iodopropynyl butylcarbamate (IPBC), carbendazim, and a combination thereof.

~~17.~~ . The ~~formulation~~method of using according to claim ~~11~~18, wherein the isothiazolinone is selected from the group consisting of OIT (2-Octyl-2H-isothiazol-3-one), DCOIT (4,5-Dichloro-2-octyl-4-isothiazolin-3-one), BBIT (N-butyl-1, 2- benzisothiazolin-3-one), and a combination thereof.

~~18.~~ 21. The ~~formulation~~ method of using according to claim ~~11~~18, wherein the azole is selected from the group consisting of tebuconazole and propiconazole; chlorothalonil,

diiodomethyl-p-tolylsulfone, zinc pyrithione, copper pyrithione, sodium pyrithione, and a combination thereof.

~~21~~

22. An article comprising:

an additive formulation comprised of a Quat Silane, a fungicide, and a defoamer, and

a material selected from the group consisting of concrete, a cementitious material, and a combination thereof.

23. The article according to claim 22, wherein the Quat Silane is non-aqueous.