CLAIMS

1. A low humidity cure moisture curable coating composition comprising:
   a) a moisture cure binder component which comprises:
      i) alkyl silicate based material, and
      ii) at least one an organic solvent; and
   b) a humectant component which comprises a slow evaporating volatile humectant chosen from dimethyl sulfoxide (DMSO), mono ethers of diethylene glycol, propylene carbonate and mixtures thereof, and wherein the humectant is present in an amount from 1 to 8 wt%, based on the combination of the binder component and humectant component, and
   c) a zinc component.

2. The coating composition according to claim 1, wherein the moisture curable coating composition is a two part zinc silicate coating composition wherein the alkyl silicate based material is an alkyl silicate hydrolysate intermediate, wherein the hydrolysate intermediate is the reaction product of an alkyl silicate and at least one water miscible alcohol functional solvent; wherein the organic solvent is a glycol ether or alcohol solvent, wherein the glycol ether or alcohol solvent is a type and is present in an amount from 1 to 15 wt% based on the total zinc silicate coating; and wherein the zinc component is chosen from zinc powder, zinc oxide or mixtures thereof.

3. The coating composition according to any one of claims 1-2, wherein the humectant is dimethyl sulfoxide (DMSO).

4. The coating composition according to any one of claims 1-3, wherein the coating composition contains water in an amount from 0 to 4 wt%, based on the coating composition.

5. The coating composition according to any one of claims 1-4, wherein the humectant is present in an amount from 2 to 7 wt%, based on the combination of the binder component and humectant component.

6. The coating composition according to any one of claims 1-4, wherein the humectant is present in an amount from 3 to 6 wt%, based on the combination of the binder component and humectant component.

7. A method for curing a moisture curable coating composition under low humidity conditions, wherein the moisture curable coating composition is a two part zinc silicate coating comprising an alkyl silicate binder component part A and a zinc component part B, said method comprising:
   a) providing the alkyl silicate binder component part A;
   b) adding a slow evaporating volatile humectant chosen from dimethyl sulfoxide (DMSO), mono ethers of diethylene glycol, propylene carbonate and mixtures thereof to the alkyl silicate binder component part A in an amount of from 1 to 8 wt%, based on the combination of the binder component and humectant;
   c) mixing the resulting composition containing the humectant, to provide a low humidity cure coating composition;
   d) coating the low humidity cure coating composition on a substrate; and
   e) curing the coating on the substrate under conditions where the relative humidity is 50% or lower.

8. The method according to claim 7, wherein the humectant is DMSO.

9. The method according to any one of claims 7-8, wherein the method further comprises adding the zinc component part B to the low humidity cure coating of step c).

10. The method according to claim 9, wherein the humectant is present in an amount from 2 to 7 wt%, based on the low humidity cure coating composition of step c).