CLAIMS

1. A method for providing a metallic or concrete surface of a chemical installation with a coating, which comprises providing a two-pack coating composition

wherein the first pack comprises an epoxy resin and the second pack comprises an amine curing agent for the epoxy resin, the coating composition further comprising an organoboron compound of the formula BX1X2X3, wherein X1, X2, and X3 are independently selected from -Y1 and -OY2, wherein Y1 is independently selected from monovalent C1-C12 alkyl groups and monovalent C6-C12 aryl groups, and Y2 is independently selected from monovalent C1-C12 alkyl groups and monovalent C6-C12 aryl groups, and wherein at least one of X1, X2, and X3 is an -OY2 group, wherein the organoboron compound is present in such an amount that

when the equivalent ratio of active hydrogens in the curing agent(s) to the epoxy groups present in the composition is 1.00:1.00 or higher, the number of B-OY2 groups present in the composition is equal to 5-80% of the number of epoxy groups present in the composition, and

when the equivalent ratio of active hydrogens in the curing agent(s) to the epoxy groups present in the composition is below 1.00:1.00, the number of B-OY2 groups present in the composition is equal to 5-80% of the number of active hydrogens in the curing agent(s),

combining the first pack and the second pack to form a coating composition,

applying the coating composition to the surface of a chemical installation to form a coating layer, and

allowing the coating layer to cure at a temperature in the range of 0 to 50°C., wherein the chemical installation is a chimney, pipe, or tank.

2. The method according to claim 1, wherein the coating layer is further subjected to a temperature above 50°C. after curing.

3. The method according to claim 1, wherein Y1 and Y2 are independently a C1-C8 alkyl or a C6-C8 aryl.

4. The method according to claim 3, wherein Y1 and Y2 are independently a C2-C5 alkyl.

5. The method according to claim 1, wherein all of X1, X2, and X3 are independently selected -OY2 groups, wherein each Y2 group is independently a C1-C8 alkyl or a C6-C8 aryl.

6. The method according to claim 1 wherein the coating composition comprises less than 10 wt. % of RDGE (resorcinol diglycidyl ether).

7. A chemical installation comprising a metallic or concrete surface provided with a lining of a cured coating composition, wherein the coating composition is derived from a coating composition comprising epoxy resin and amine curing agent for the epoxy resin, the coating composition further comprising an organoboron compound of the formula BX1X2X3, wherein X1, X2, and X3 are independently -Y1 or -OY2, wherein each Y1 is independently a monovalent C1-C12 alkyl or a monovalent C6-C12 aryl, and each Y2 is independently a monovalent C1-C12 alkyl or a monovalent C6-C12 aryl, and wherein at least one of X1, X2, and X3 is an -OY2 group, wherein the organoboron compound is present in such an amount that

when the equivalent ratio of active hydrogens in the curing agent(s) to

the epoxy groups present in the composition is 1.00:1.00 or higher, the number of B-OY2 groups present in the composition is equal to 5-80% of the number of epoxy groups present in the composition, and

when the equivalent ratio of active hydrogens in the curing agent(s) to the epoxy groups present in the composition is below 1.00:1.00, the number of B-OY2 groups present in the composition is equal to 5-80% of the number of active hydrogens in the curing agent(s), wherein the chemical installation is a chimney, pipe, or tank.

8. The chemical installation according to claim 7, wherein Y1 and Y2 are independently a C1-C8 alkyl or a C6-C8 aryl.

9. The chemical installation according to claim 7, wherein all of X1, X2, and X3 are independently -OY2.