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(54) Title: FAST-CURING MODIFIED SILOXANE COMPOSITIONS

(57) Abstract: Fast-curing modified siloxane compositions comprise; (1) an alkoxy- or silanol-functional silicone intermediate, (2) at least one amine reactive ingredient selected from the group consisting of acetoacetate-functional ingredients, acrylate-functional ingredients, and mixtures thereof, (3) an epoxy-functional ingredient, (4) a curing agent selected from the group consisting of amines, aminosilanes, ketimines, aldimines and mixtures thereof, and (5) water. Other ingredients useful in forming fast-curing modified siloxane compositions of this invention include silanes, organometallic catalysts, solvents, pigments, fillers and modifying agents. The above-identified ingredients are combined and reacted to form a fully cured protective film comprising a cross-linked enamine polysiloxane and/or acrylate polysiloxane chemical structure in a reduced amount of time when compared to conventional epoxy siloxane compositions.

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