

ABSTRACT

This invention relates to a polyester based coating composition for anti-strain PCM outside panel and more particularly, to the polyester based coating composition for anti-strain PCM outside panel having the excellent combination of physical properties such as surface compactness, anti-contamination effect, acid resistance and self-cleaning effect, wherein the polyester based coating composition comprises:

a) hydroxy unsaturated polyester resin and a melamine curing agent as active ingredients, b) sulfonic acid deactivated with a secondary amine or epoxy resin, c) sulfonic acid deactivated with a tertiary amine, d) an isocyanate compound deactivated with malonate, e) a tin based curing catalyst, f) polyalkyl silicate, and g) an alkoxy compound; further, the polyester based coating composition for anti-strain PCM outside panel can demonstrate other excellent properties of a film of paint such as appearance and workability even without the addition of any defoaming additive and leveling additive by adjusting the compatibility of both hydroxy unsaturated polyester resin and polyalkyl silicate.

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