

Title (en)

PRE-ACCELERATED UNSATURATED POLYESTER OR VINYL ESTER RESIN COMPOSITIONS

Title (de)

VORBESCHLEUNIGTE UNGESÄTTIGTES POLYESTER- ODER VINYLESTERHARZ ENTHALTENDE ZUSAMMENSETZUNGEN

Title (fr)

COMPOSITIONS DE RESINE VINYLESTER OU POLYESTER NON SATUREE PRE-ACCELEREE

Publication

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Application

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Abstract (en)

[origin: WO2005047364A1] The present invention relates to pre-accelerated unsaturated polyester resin or vinyl ester resin compositions, curable with liquid peroxides. They contain (a) an ascorbic acid compound, and (b) a soluble complex containing iron with oxidation state 2 or 3, not being ferrocene or a derivative of ferrocene, and are essentially free of cobalt. The ascorbic acid compound and the soluble complex each are present in an amount of, respectively at least 0.1 mmol and at least 0.05 mmol per kg of primary resin system. These resin compositions show good curing properties and have a strongly reduced content of cobalt as compared to the state of the art preaccelerated unsaturated polyester resin or vinyl ester resin compositions. The present invention further also relates to objects and structural parts prepared from such unsaturated polyester or vinyl ester resins.

IPC 8 full level

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