

Abstract

5 The present invention relates to an innovative reactive system for intumescent coating and to a process for preparing this resin system. Intumescent coatings are used in particular for fire protection of metallic components, such as girders in structural engineering. In a fire scenario, these coatings are reactively foamed and so form a fire-resistant insulating layer with low thermal conductivity around the metal girder, with the resultant insulation retarding premature failure of this component.

10 The present invention relates more particularly to resin systems which are prepared by means of an innovative process wherein the monomer fraction is polymerized only up to a maximum degree of 70%. The glass transition temperature of this polymeric component of the resultant composition is particularly low by comparison with the prior art.

[No figure]