

Abstract

- 5 The present invention relates to a novel reaction system for intumescent coating. Intumescent coatings are used in particular for fire protection of metallic building components, such as girders in building construction. In the event of a fire, such coatings undergo reactive foaming that results in the formation on the metal girder of a fireproof insulating layer having low thermal conductivity and that – through the insulation that this creates – retards any early, thermal-induced failure of said building component.
- 10 The present invention relates in particular to resin systems having improved low-temperature flexibility that ensure good metal adhesion and impact resistance even at low temperatures while avoiding the polymer components that are otherwise customary in resin systems.

[No figure]