

Passive Fire Protection (PFP)

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Various fire protection codes and listing/certification bodies (UL, Lloyds, DNV) are presented, their limitations, actual testing done for each of these ratings, and how they should be interpreted. A series of PFP systems are described, from the various cementitious systems through to the intumescent systems. Included is a discussion on the advantages/disadvantages, including issues of underside corrosion, life costs, etc, of each generic system. Traditionally, passive fire protection has been largely limited to structural steel. Extensive testing has been done on economically viable PFP systems for pressure vessels, including the use of demountable PFP castings, which can minimize the need for expensive shutdowns.