

Fire Resistant Composition, Panel and External Wall for Various Buildings

Abstract

A fire resistant composition for forming a fire resisting lining [1, 11] is 5 characteristically and substantially composed of ettringite contained as a main ingredient. A panel [P1, P2] that is attachable to a building body so as to form an external wall thereof is composed of a base plate [2, 12] and the fire resisting lining [1, 11] that contains ettringite as its main ingredient and covers the base plate [2, 12]. A structure of an external wall of buildings, the structure has the panels [P1, P2] attached to the building 10 body to form a plane and having their sides adjoined one to another, and the base plate [2, 12] in each panel [P1, P2] has a periphery not covered with the lining [1, 11]. A groove-shaped cavity appearing between the adjacent lining [1, 11] edges facing one another is filled with a caulking material, so that the fire resistance afforded by the composition and the panels [P1, P2] is further enhanced.

15 Fig. 6B

This Sheet Has Been Replaced

