

Title (en)
FLEXIBLE FIBROUS ENDOTHERMIC SHEET MATERIAL FOR FIRE PROTECTION

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Application
EP 84303739 A 19840604

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Abstract (en)
[origin: EP0132936A1] This invention relates to a non-intumescent, non-char forming, endothermic, essentially inorganic, flexible, fire-protective sheet material. The flexible sheet is made of a composition comprising: (a) an inorganic fiber, such as alumino-silicate refractory fibers; (b) an organic polymer binder, such as an acrylic resin; and (c) an inorganic endothermic filler, such as alumina trihydrate. The weight ratio of organic to inorganic constituents is less than about 0.15, and the weight ratio of inorganic endothermic filler of part (c) to inorganic fiber of part (a) is in the range of about 0.5 to 5.0. This sheet is a useful fire barrier wrap for conduits and cable trays in building construction, which provides excellent fire protection, but the current capacity derating of cables is significantly less with this new fibrous sheet than it is in the case of known fire barrier sheet materials.

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