



ABSTRACT

Sprayable fireproofing compositions for structural members such as steel columns are provided. The compositions comprise a cementitious binder such as Portland cement, and a hard aggregate containing water of hydration. Such hard aggregates contribute not only to the strength of the fireproofing composition, but also contribute thermally. The product is produced by dry blending a mixture of the cementitious binder and hard aggregate, as well as other optional additives. Upon the addition of water, sprayable slurries are formed which can be pumped to the point of application. An accelerator is added in close proximity to the point of injection. Other additives may also be included, such as starch, adhesives and cement strength enhancers. The slurries adhere to the structural member in the slurried state and after setting to provide excellent fire and heat protection.