

## Fire Retardant Coatings for Interior Finish and Insulation (Class Number 4975)

A fire retardant coating is intended to delay ignition for 10-15 minutes and reduce the surface burning rate of interior combustible finish materials.

The coating may be applied by trowel as a thick plaster or by brush, spray or roller. The protection afforded is generally proportional to the thickness of application. When exposed to high temperatures, intumescent type fire-retardant paints form an insulating blanket which retards surface ignition and reduces the burning rate of the combustible substrate on the coated side.

These coatings are not intended as substitutes for automatic sprinklers. Their use is particularly applicable in low hazard areas having very limited combustible materials.

Approved products are recommended for use only over those combustible surfaces on which they have been successfully fire tested.

Some of the listed coatings will successfully preserve the dimensional stability of low-melting, combustible cellular plastics in addition to delaying their ignition for 10-15 minutes and reducing their surface burning rate. The coatings which qualify for this end use have been evaluated by means of either the FM Approvals Construction Materials Calorimeter or the large scale 15 minute FM Approvals Building Fire Corner Test Procedure. Coatings evaluated by the latter test method are detailed in the preceding Building Insulations section and are specifically noted below.

The coatings are to be installed by the licensed applicators recommended by the manufacturer.

The spray-on fire retardant-treated cellulosic insulations are not recommended for exterior use or for occupancies where combustible dusts and other organic residues such as oil solvents, etc., may accumulate on the surface.

The spray-on fire retardant-treated cellulosic insulations are also not recommended for high humidity occupancies where there is likely expectation of condensation occurring without the addition of ventilation to help control conditions of condensation.

### Firefree 22

Firefree 22. Water-based fire retardant paint. Spray, roller or brush applied over wood or cellulosic fiber building materials in two coats to a min 0.02 in. (0.5 mm) dry film thickness.

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<b>Listing Country:</b>	United States of America
<b>Certification Type:</b>	FM Approved