

## Building Insulations

Insulating materials may occur in building construction to reduce heat or sound transmission through a wall, roof or floor-ceiling assembly. See DESCRIPTIONS OF ROOFING PRODUCTS Chapter, INSULATIONS FOR ROOF CONSTRUCTION, for roof insulations.

The insulation listed below may be a surface treatment exposed to the building occupancy or as core material faced with metal, gypsum wallboard, concrete or masonry.

The listed assemblies are not intended as long-term fire walls or barriers since fire endurance was not evaluated. See SPECIFICATION TESTED PRODUCTS Chapter, Fire Resistant Constructions, for hourly rated systems.

## Suspended Plastic Ceilings

Plastic suspended ceilings of translucent or opaque panels are used to conceal ducts, sprinkler piping, lighting fixtures or for decorative purposes. All products are of low combustibility. Because they are designed to be heat sensitive, promptly moving out of their setting, they will not significantly interfere with the operation of automatic sprinklers located above. When other building components and occupancy do not require sprinkler protection, these products may be used without creating such a need.

Restraining clips must not be used to hold the panels in their metal suspension frame. Clips which have been tested and FM Approved may be used for this purpose. Painting or coating the panels is prohibited since this may insulate and therefore hinder the immediate drop-out response to the early stage of a fire. However, panels which have been tested and FM Approved with a factory-applied coating may be used.

The polystyrene ceiling tiles listed in Section B are expanded from the modified grade bead resins produced by the manufacturers listed in Section A. These products have met the fire test requirements of FM Approval Standard No. 4651.

Unless otherwise indicated in the listings, all polystyrene panels are nominal 1.0 lb/ft<sup>3</sup> (16.0 kg/m<sup>3</sup>) density.

## Panels

### Polytile, Foam-Grid

Polytile, Foam-Grid. Expanded plastic (polystyrene) lay-in-place square edge panel, nominal 2 by 2 or 2 by 4 ft (0.6 by 0.6 or 0.6 by 1.2 m) by 1/2 to 1 in. (13 to 25 mm) thick.

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