



Property Risk Consulting Guidelines

XL Risk Consulting

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CELLULAR PLASTIC INSULATION FOR MECHANICAL PIPING SYSTEMS

INTRODUCTION

This section covers cellular plastic insulation for use on mechanical piping systems used principally for heating, ventilating, and air conditioning. It does not cover pipe insulation used in oil and chemical properties or other properties where the insulation is exposed to flammable liquid or gas hazards.

POSITION

Do not use cellular plastic insulation in unsprinklered areas. In sprinklered areas, arrange the insulation as follows:

- In limited arrays of three pipes or less, of 2 in. (50 mm) diameter or less.
- Larger arrays, large diameter pipes or both may be accepted depending upon an evaluation of the individual application, taking the following factors into account:
 - Combustibility of the materials, e.g., flamespread of 25 or less.
 - Building construction, e.g., noncombustible vs. wood joist.
 - Building occupancy, e.g., dust, lint, oil accumulations.
 - Susceptibility of equipment or contents to smoke damage, e.g., cleanrooms; computers; food handling.

If the quantities are greater than those listed above, forward information about the installation to the Vice President – Director of Research.

DISCUSSION

Flamespread listing is not sufficient to consider this product for use in unsprinklered areas. Therefore, any product listed in the “Pipe and Equipment Covering Materials” section of the UL Online Certifications should not be used in unsprinklered areas.