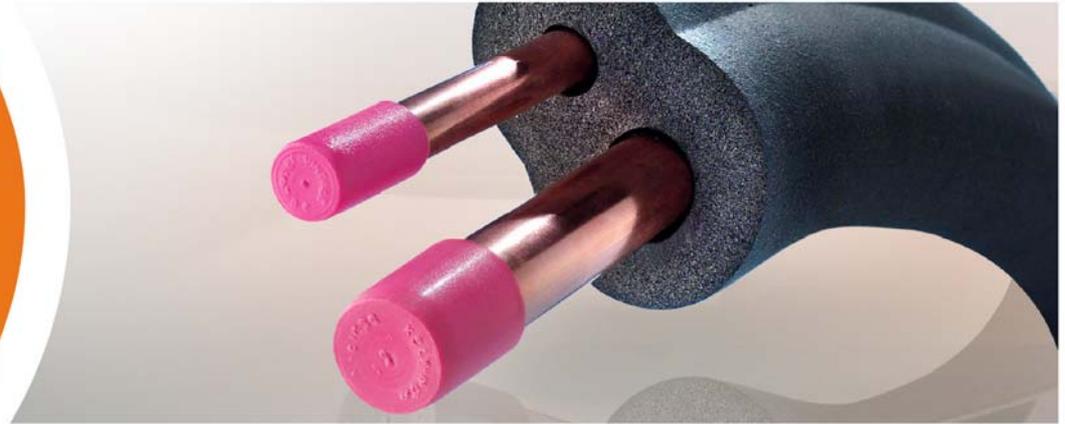


# Technical Bulletin

## IT'S THE LAW



### The insulation on air-conditioning gas lines must be fire retardant in class 2-9 buildings.

The Building Code of Australia stipulates that the insulation on air-conditioning gas lines used in class 2-9 buildings must comply with specification C.10 and C10a.

#### What are Class 2-9 buildings?

- Class 2-9 buildings include multi occupier buildings and accommodation, business premises including shops, professional chambers and factories, hospitals, aged care facilities, schools and public assembly buildings.

#### What is specification C1.10 and C1.10a?

- The fire hazard properties of any material or assembly in a class 2-9 building must comply with Specification C1.10. I.e. must be made of;
  - (i) “Sarking type” material: means a material such as a reflective foil or other flexible membrane of a type used for a purpose such as water proofing, vapour proofing or thermal reflectance or,
  - (ii) “Other” material.
- The above fire hazard properties must then comply with the fire resistance requirements of Specification C1.10;
  - (i) A flammability index of not more than ‘5’ (per AS/NZS1530.3)
  - (ii) A spread of flame index of not more than ‘9’
  - (iii) A smoke-developed index of not more than ‘8’

## How PairCoilMAX ensures you comply with the law

- PairCoilMAX, tested in accordance with AS/NZS 1530.3, exceeds the fire safety specification C1.10 for all building classes.  
Spread-of-flame index = 0  
Smoke-developed index = 3

## Tests and Certifications

- **FR Armaflex Thermal Insulation**  
Has been tested and certified as complying to the requirements of the BCA for Class 2-9 buildings, excluding fire and emergency exit areas.  
AWTA Textile Testing 27/10/05
- **PE Type Paircoil**  
Fails AS/NZS1530 – a number of samples were tested and failed this standard.



## REFERENCES

- Building code of Australia 2007, volumes 1 and 2
- AS/NZS 1530.3



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