

RADIANT FLOORS

Laminate & Engineered Wood Underfloor Heating System

RFLAM is the ultra thin electric radiant floor heating system from Radiant Floors primarily for use under laminate, engineered wood, and other floating floors. Advantages of RFLAM include ease of installation. The special materials used to produce RFLAM help conserve heating energy and make it free from 'hot-spots' and 'cold spots' to provide a totally uniform source of heat.



RFLAM is made with fluoropolymer insulated heating elements sandwiched between two layers of reinforced aluminium foil. The close uniform spacing of the heating elements and the excellent conductivity of aluminium, ensures even heat distribution.

RFLAM rating: 140w/m².

Mat width: 500mm

Cold lead: 3 metres

Single mat sizes range from 1m² to 10m²

RFLAM is used extensively throughout North America, Scandinavia and the rest of Europe. When heating wooden floors room humidity levels shall be as per the recommendations of the wooden floor manufacturer.

ADVANTAGES

The heating element is a twin conductor and the 3m long cold lead cable is only at one end of the mat and can be connected directly to the thermostat.

RFLAM can be cut and turned just like the undertile heating mat systems. Carbon film and ribbon systems can only be installed in straight lengths without the flexibility of turns.

Due to a single conductor design and size limitations in the carbon film and ribbon range, most installations require a number of mats terminated together by a series of wires, extending installation time considerably.

RFLAM is the safest product on the market for use with wooden floating floors. It can be safely installed under the wooden floor in both dry and wet areas without the need for additional earth grids.



STANDARDS: Meets all the test requirements of IEC 60335 and is compliant with all new 17th Edition IEE regulations

SAFETY: Proper earthing facility is provided for safety. Conforms to the product Safety requirements as per the latest EU Directives.

APPROVALS: Conforms to the requirements of CE marking

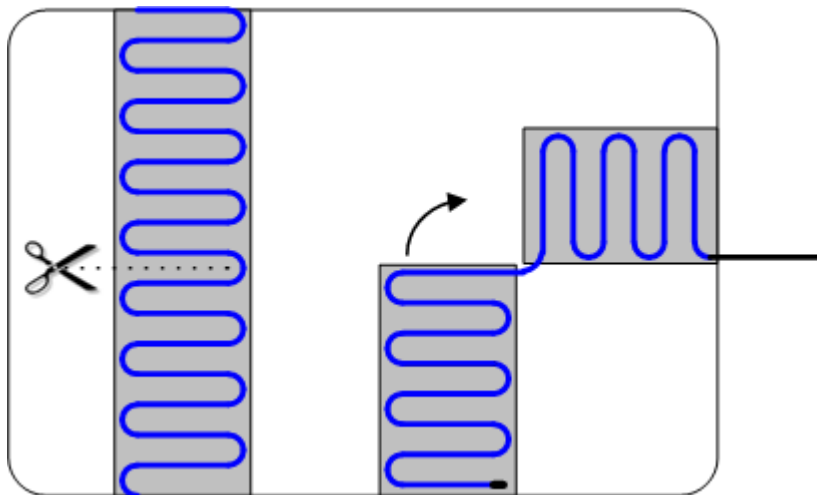
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Design & Installation Flexibility

Design and installation flexibility is very important, both for the experienced installer and DIY enthusiast. Time is money !

The RFLAM aluminium foil system offers the same simple cut and turn principles used with undertile mat heating systems. The diagram below illustrates a simple cut & turn, a feature NOT possible with carbon film or ribbon systems. RFLAM heating mats can be shaped and are available as single mat sizes up to 10m² (just a single cold lead termination per mat). Mats can be easily combined to heat larger areas.

The same design and installation flexibility is NOT available with carbon film and ribbon type heating systems. RFLAM mats are easier to shape to the room and less mats are required to heat the floor area.



Safety

The RFLAM aluminium foil system is safe for both wet and dry areas.

The system has continuous earth protection and is compliant with all new 17th Edition IEE regulations..

Carbon film and ribbon systems have no earth or require additional earth mats which increase the cost and installation time.

The special materials used to produce RFLAM help conserve heating energy and make it free from 'hot-spots' and 'cold spots' to provide a totally uniform source of heat.

Fewer Terminations

The RFLAM aluminium foil system has only one cold lead connection at one end of the mat - again, similar to the undertile heating mat systems.

Carbon film and ribbon systems may require several connections, which will increase installation time and reduce the electrical integrity.