**LIVING ROOM, DINING ROOM, STUDY, HALL etc** → NO → **CONSERVATORY** → NO → **BATHROOM / EN-SUITE (WET or DRY AREA)** → NO → **KITCHEN**

YES ↓

**NOTE:** Refer to installation instructions

**RENOVATION or a NEW BUILD, where the sub-floor of the living area (concrete or wood) has already been finished prior to selection of the underfloor heating system – this is the most common. Also, the floor has been well insulated during construction**

NO →

**NEW BUILD situation where the floor of the living area and underfloor heating design are decided at the same time. This is when the underfloor heating can be installed during the construction of a concrete sub-floor in living areas**

OTHER →

**RENOVATION with a poorly insulated concrete sub-floor**

YES ↓

**Select the Overfloor:**

**TILES, STONE, MARBLE, SLATE, TRAVERTINE**

NO →

**Select the Overfloor:**

**LAMINATE, WOOD or CARPET**

ANY OF THE ABOVE ↓

**SOLUTIONS:**
**CONCRETE SUB-FLOOR**
RFM mat system rated 150w/m² or RFMH mat system rated 200w/m²
**WOODEN SUB-FLOOR**
RFM mat system rated at 150w/m²
**OPTION** (concrete sub-floors): If you have no floor height restrictions consider installing a 6mm or 10mm layer of BLUEBOARD insulation panel before the heating for added efficiency. Alternatively, with height restrictions, apply 2 coats of **INSUL-PAINT**

ANY OF THE ABOVE ↓

**SOLUTION:**
**CONCRETE OR WOODEN SUB-FLOOR**
Apply a single layer of LAMFOAM floor insulation which will raise the floor height by 6mm, then install RFLAM aluminium foil mat heating system

YES ↓

**Select the Overfloor:**

**TILES, STONE, MARBLE, SLATE, TRAVERTINE, LAMINATE, WOOD or CARPET**

ANY OF THE ABOVE ↓

**SOLUTION:**
Install foil faced thermal insulation such as Celotex or Kingspan, then RFC17 “cable in screed” heating cables (cable in screed) covered with a final minimum 65mm thick sand & cement layer.

YES ↓

**Select the Overfloor:**

**TILES, STONE, MARBLE, SLATE, TRAVERTINE**

ANY OF THE ABOVE ↓

**SOLUTION:**
If you have no floor height restrictions consider installing a 6mm or 10mm thick layer of BLUEBOARD insulation panel before the heating and then apply the RFM mat system rated 150w/m² or RFMH mat system rated 200w/m². Alternatively, with height restrictions, apply 2 coats of **INSUL-PAINT**