

Quick Facts:

Location: London, UK

Client: Bowmite
Electrical Ltd

Nature of Project:
Residential

About the client:

Established in 1998, offers a comprehensive range of plumbing, mechanical and electrical services within London and the M25 area.

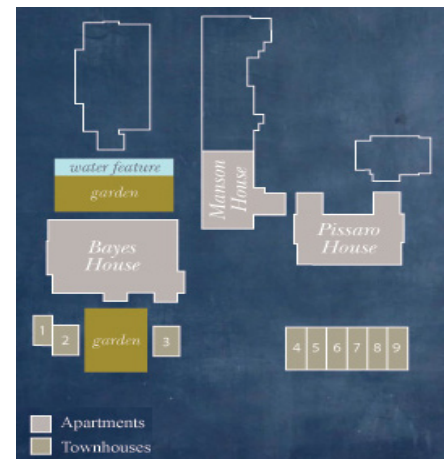
System specifications:

- 140W/m² foil heater
- 10mm thick insulation boards
- Warmup® XSTAT -W thermostats

Warmup is the only underfloor heating accredited by all these leading institutions:



Bringing a touch of warmth and contemporary design to this unique development



The Challenge

To create a system design that met the stringent requirements of the client (consistent 22°C room temperature with outside temperature of -4°C) but also had to be simple enough to install in record time. The contractor had never installed any ufh before so they must be trained on site. To remain on-schedule, we had to design, price and supply the systems for one floor at a time (ten two bedroom flats) within a week of receiving initial plans.

The Solution

Bowmite had successfully tendered for the project including an in screed under floor heating system as a primary heat source. Within a week of receiving initial plans, the system design was supplied and the objective defined. They were steered away from in screed heating to foil heaters. The floor finishes were laminate and carpet, so the inclusion of heat pak on the carpeted areas meant that the same system could be used throughout.

The Result

Warmup met all scheduled installations and were rated as the most impressive supplier, not just on this site but by the contractor, Bowmite who rated us a 'excellent'



Products Used



Warmup® Foil Heaters (WLFH)

The Warmup® Foil Heater is a streamlined electric radiant floor heating system designed for use with laminate, engineered wood and other floating floors. It can be conveniently installed under the floor finish in both dry and wet areas without the need for additional earth grids. The reflective properties of the reinforced aluminium foil used in the heater help conserve heating energy.

Technical data:

- Construction: ECTFE wire encased in aluminium foil
- Operating voltage: 230V: 50Hz
- Output rating: 140W/m²
- Mat Width: 0.5m
- Mat Length: min 3m, max 20m
- Heating Cable Spacing: 50mm
- Cold Lead Length: 3m
- Approvals: CE, SEMKO
- 15-Year Warranty & SafetyNet™ Installation Guarantee



WARMUP® Insulation Boards

Using Warmup® insulation boards with underfloor heating can lower your running costs by as much as 50% while reducing your carbon footprint. In fact, they can pay for themselves in as little as 2 and a half years.

Technical data:

- Board Dimensions: 1250mm x 600mm
- Board Thicknesses: 6mm, 10mm (standard), 20mm, 50mm
- Able to withstand a load of 30 tonnes per square metre
- U Values (W/m K): 6mm-4.50, 10mm-2.70, 20mm 1.35, 50mm-0.54
- Water Absorption (Capillary): Nil
- Class "O" / "B1" fire rated
- High soundproofing properties
- No primer required when used in conjunction with underfloor heating



Warmup® XSTAT programmable thermostat

Warmup® XSTAT is a flush mounted, dual-sensor digital thermostat so easy to program that there is hardly any need to read the instruction booklet!

Technical data:

- Supply voltage: 230V: 50Hz
- Output relay SPST or 1A inductive load: 16A, 3,600W
- Built-in interrupter: 2-pole, 16A
- Temperature range: 0 / +40 °C
- Limitation of range: +5 / +55 °C
- Ambient temperature during operation: 0/+40°C
- On/off differential: 0.4°C
- Sensor type: NTC, 3 m
- Dimensions (H/W/D): 86 x 86 x 34 mm
- XSTAT Clock function: 4-events program/7 days
- XSTAT Housing: IP 20
- XSTAT Size of display (H/W): 26 x 39 mm
- XSTAT Installation depth: 14mm
- Approvals: CE, ASTA BEAB
- Available in white and graphite

Product Application

