

Quick Facts:

Location: London, UK

Client: Connaught Hotel

Nature of Project:
Commercial

About the client: World-renowned luxury hotel

System specifications:

- 150W/m² heating mats
- 1cm thick insulation boards
- Warmup® XSTAT thermostats

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



Warmup adds luxurious warmth to bathrooms and new covered winter terrace in elite hotel



The Challenge

The Connaught's facelift included a new winter terrace and 100 revamped bathrooms, all of which required quality, unintrusive heating as there was very limited wall space.

The Solution

Warmup® underfloor heaters allowed the walls to remain clear and internationally recognised to be safe, Warmup® heaters gave the hotel the reassurance of product excellence they were after. Warmup® 150W/m² heating mats were installed onto Warmup® Insulation Boards. Warmup® XSTAT thermostats were also selected for their energy saving capabilities.

The Result

With clear walls, there was plenty of room for optimal design and layout. The simple methods of installing the products also meant that the client could keep to schedule and welcome its guests to a cosy afternoon tea in the new winter terrace all as planned.



CONNAUGHT HOTEL - ENGLAND

System Specifications

Products Used



PFM matting system (PFM)

Warmup® mat systems are perfect for heating up a large or regular-shaped room. Just 2mm thin, this multi-strand core, double-insulated element is the toughest and thinnest wire you can buy. Installation is as quick and simple as rolling out the mat with pre-spaced wired. Sturdy fibreglass mesh gives it extra durability while super-sticky double-sided tape allows secure installation. Multiple heaters can be combined to cover larger areas.

Technical data:

- Operating voltage 230V: 50Hz
- Width: 500mm (0.5 metre)
- Mat thickness: 3mm
- Inner/Outer Insulation: Advanced Fluoropolymer
- Output rating: 150 W/m² and 200 W/m²
- Single 3m long 'cold tail' connection lead
- Approvals: ASTA BEAB, CE, KEMA & GS
- Lifetime 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

