Case study 204
Underfloor Heating

A large construction company who were working on a residential building project encountered a problem with the concrete flooring on site, which meant they risked meeting the planned hand over date.

The residential building was being constructed with underfloor heating as their primary source of heat generation and although the pipe work and screed had been laid the fixed boiler plant was not in place. The problem was that the floor screed contained excess moisture which prevented it setting within time constraints and needed to be carefully dried.

Andrews Boilers was contacted to provide a cost effective and energy efficient solution. The floor screed had to be dried out over a six week period. During the six weeks there needed to be gradual temperature rises to eliminate the "over drying" and "drying" of the screed. Andrews Boilers therefore supplied six 22kW Electric Boilers alongside temporary pipework, a booster pump and heat exchanger. These were coupled to the existing manifolds connected to the permanent underfloor heating and pipework. Our 22kW boilers are incredibly reliable and can deliver large volumes of hot water on demand in indoor and outdoor locations at any time of the year.

After the project was completed the client was so impressed with the boilers and the installation that they placed another order for an underfloor heating application at a new school. Andrews Boilers provide underfloor heating services to customers as a "one stop" solution to their heating and drying needs.

Heat output 22 kW 75,064 btu
Power supply 415 V 3 ph N+E
Noise level (max) 35 dBA @ 10 metres
Weight 50 kg
Fuel Consumption 14.4/21.5 kW
Dimension 600 x 550 x 1100 mm
Fuel type Electric
Plug type BS4343 5 pin 32 Amps

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