

Case study 532

Luxury hotel requires dehumidifier hire to assist with building project

When a national construction company encountered difficulties during one of their major building projects, Andrews Dehumidification were contacted to offer our expert advice.

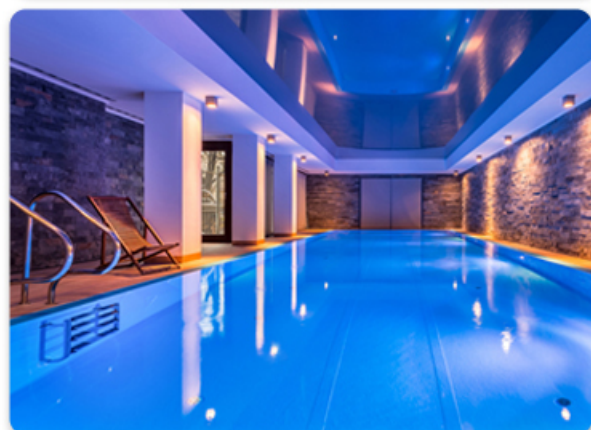
Our customer was tasked with the construction of a new luxury hotel in Bath, which involved the creation of a swimming pool and spa area in the building's basement.

Our client was extremely concerned that the concrete pool construction and subsequent lining would not dry fast enough to allow the project to stay on schedule – It was therefore our primary task propose an effective drying hire package.

Following a site survey, our specialists installed one of our KT2000 desiccant dehumidifiers along with a FV300 fan, which ensured the desired airflow of 2000m³/h was maintained - creating a positive pressure within the pool area and picking up excess moisture thus drying the concrete and pool lining.

Due to restricted access on site, the unit was positioned on the ground floor of the building, with the dry desiccant air being ducted down to the pool area in the basement.

By providing this temporary drying solution, all construction works were completed on schedule. Our client was extremely impressed with our swift service and the effectiveness of our dehumidifier hire package.



Extraction rate (max) 450 litres/24hr

Nominal extraction duty at

75% RH @ 20°C 300 litres/24hrs

Air flow (max) 2,000 m³/h

Weight 225 kg

Plug type BS4343 5 pin 32 A

Generator size 26 kVA

Duct length (max) 40 metres

Noise level (max) 82.75 dBA @ 1 metre

Power supply 415 V 3 ph N+E 50 Hz Run 28.5 A

Dimensions (L x W x H) 1,290 x 890 x 1,050 mm

Control Manual (humidistat option)

Average power consumption 20 kW/h

Duct diameters Wet out 300mm, Dry out 300 mm, Process in 150 mm