

Case study 528

National construction company hires dehumidification

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

The client was attempting to dry concrete works in a newly built auditorium, while controlling humidity levels throughout the building for specialist acoustic joinery.

An Andrews technician visited site to conduct a free and comprehensive site survey, recommending a tailor made drying solution which consisted of a KT2000 desiccant dehumidification rental and an FV3000 ventilation fan.

Our units were positioned outside the application, recirculating the air within the auditorium by utilising over 70 metres of ducting and an FV3000 fan at the end of the dry air duct run, which ensured the desired airflow of 2000m³/h was maintained.

The construction site dryer pulled moisture laden air from the auditorium, dried it and then returned it to the auditorium. This dry air helped dry the concrete works and controlled the humidification levels inside the auditorium, making it possible to protect the bespoke acoustic wood panelling being installed.

Thanks largely to the speed with which our technicians installed the dehumidifier hire arrangement, the concrete works were successfully dried out. The unit is currently still effectively maintaining pre-determined humidity levels within the auditorium, enabling the protection of the delicate, valuable wooden components.



Power supply 415 V 3 ph
Noise level (max) 82 dBA @ 1 metre
Weight 225 kg
Dimension 1,290 x 890 x 1,050 mm
Control Humidistat option
Plug type BS4343 5 pin 32 A
Average power consumption 20 Kw/hr
Generator size 26 kVA



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