

Case study 518

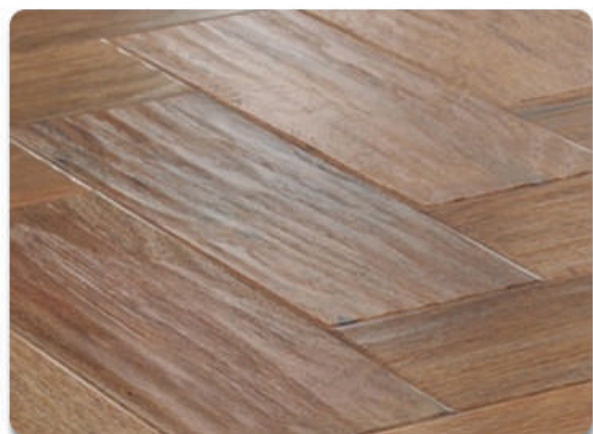
Emergency dehumidification prevents delays

When a high-end hardware company won the contract for laying wooden flooring and panelling at a newly-constructed apartment block in London, they were also entrusted with controlling the humidity and temperature of the site. The intricate nature of the project meant that conditions had to be kept constant, and within strict parameters, to ensure delicate oak tiling was protected throughout.

It was therefore essential that the floors and walls of all 36 apartments were dried properly in order to get the assignment back on schedule. An efficient three-pronged solution was subsequently proposed and included the use of an FH2000 indirect fired heater, approximately 100 HD500 and FD40 dehumidifier units and several ASF50 ventilation fans.

Our high capacity heater was deployed initially before being replaced with smaller, mobile electric models – helping to keep temperatures constant at all times. Humidity levels within the more restricted spaces were controlled by a series of versatile fast dryers, which came complete with humidistats and condensate pumps. Specialist desiccant dehumidifiers were then set up to safeguard vulnerable recessed areas while nearby fans assisted airflow circulation – accelerating the whole process.

Once excessive moisture was removed from the air, the flooring contractor charged with the job was able to start laying panelling. Our swift response meant that an expensive five-week delay was easily avoided and also prevented the site from incurring additional damage. All environmental obligations were successfully fulfilled which in turn allowed the client to proceed as planned without having to worry about similar issues arising further down the line.



Extraction rate (max) 70 litres/24hr
Nominal extraction duty at 75% RH @ 20°C 34 litres/24hr
Air flow (max) 480m³/h
Keep dry area (typical) 850m³
Dry out area (typical) 400m³
Power supply 230/110V 1ph 50Hz
Plug type BS1363 230V BS4343 110V
Noise level (max) 57 dBA
Weight 59kg
Dimensions (LxWxH) mm 940 x 630 x 1110
Control Manual (humidistat option)
Average power consumption 650W/h

