

Case study 726

Andrews provide ventilation hire solution for leading construction company

Andrews Ventilation Hire was drafted in to provide a leading construction and services company with an effective extraction solution to help them remove dangerous fumes from site.

Our client was laying new resin flooring in a large building which was soon to become a new shopping outlet. The facility in question will be comprised of 38 department stores and span 30,000 square meters in size, underlining the magnitude of the project ahead.

The resin flooring is created by mixing together a number of composites to initiate a fast and controlled chemical reaction. The chemical reaction in this process was creating highly toxic fumes which needed to be cleared from the building to adhere to health and safety laws.

As a result, our specialists visited the site to conduct a free site survey and propose a ventilation hire package that would safely remove fumes and create a well-ventilated working environment.

Two FV 1800 ventilation extraction fans were subsequently recommended to the customer, and these were connected to a generator. Ducting was used to pass through the doors at either side of the area where the floor was being laid. This arrangement created a vacuum in the middle and enabled our specialist units to remove fumes without any issue.

Our customer was extremely impressed with the temporary fans we recommended which successfully extracted all contaminated air from the building. The client was then able to proceed with laying the floor, with the entire development carried out seamlessly from start to finish.



Air flow (max) 38,000 m³/h
Power supply 415 V 3 ph 50 Hz Run 28 A
Plug type BS4343 3 ph 5 pin 15 V 63 A
Generator size 30 kVA
Duct size Inlet 600 mm Outlet 600 mm
Noise level 80 dBA @ 1 metre
Weight 1,110 kg
Dimensions (L x W x H) 2,208 x 2,090 x 2,005 mm
Control Manual
Average power consumption 11.6 kW/h



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