

# WHITMORE HIGH SCHOOL

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## Whitmore School - Prihoda Fabric Ducting

Prihoda UK Ltd has supplied bespoke Textile Diffusers (Fabric Ducts) for the Canteen and Sports Hall at Whitmore School in North London, a new build construction next to the original school building.

Working with NG Bailey; Prihoda were involved in the design of the diffusers and air patterns to achieve optimum conditions within each area.

“Both areas presented challenges” explains Paul Russon of Prihoda UK Ltd “the Sports Hall is very high and required for badminton games, creating a long throw but low velocity design – difficult with multiple air densities at different supply conditions. The canteen ventilation system needed to heat a large space, delivering air over a wide area without draughts”

### Sports Hall

In the Sports Hall Prihoda UK specified a non permeable wipe clean material to deliver the air. The Sports Hall was heating or tempered Fresh Air only and would never fall below dew point so Permeable material (to avoid condensation) was not necessary.

One central diffuser entrained and moved air towards the walls where the two diffusers, one along either wall, delivered supply air to low level whilst inducing large volumes of ambient air into the overall air pattern. The result was high volumes of air movement & circulation but low velocity within the court areas.



Sports Hall



Canteen

### Canteen

In the Canteen Prihoda UK Ltd used their specially manufactured polyester material to create four half round diffusers suspended between Lay in Grid ceiling rows. Colours were chosen to match the overall scheme. These diffusers delivered air through a mixture of tiny micro-perforations and large laser cut perforations laid in blocks upon the duct circumference to create inductive air patterns. Predictive software used by Prihoda UK generates air flows & velocity predictions that allows us to map and modify the air patterns as dictated by project requirements.

Prihoda materials are unique in offering Flame Retardant protection alongside Cleanroom non fibre shedding (ISO4) standards. These materials having been designed specifically for Fabric Ducting applications are also non-shrink and non-hygroscopic.

Unlike other manufacturers Prihoda UK do not charge a premium for different colour options. All 9 of our colour choices are available at no additional cost. Warranty is 10 years as standard for the Prihoda Classic and Premium materials (premium materials are Flame Retardant and Cleanroom quality and have anti-bacterial and anti-static protection too).

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Sports Hall (above and below)



Canteen (above and below)

