

## Case: Walkden High School, UK

# Fresh air supply in classrooms

### Draft free and uniform air distribution

Walkden High School's new building was built as part of BSF, Building Schools for the Future. KE Fibertec supplied Inject Hybrid textile ducts to supply fresh air to each of the classrooms.

Textile ducts were chosen as they can deliver large volumes of air very quietly and without draft. Consequently, they provide a good and healthy indoor climate for the students and the staff.

The KE-Inject Hybrid System can be regarded as a combination of active high impulse ventilation and passive low impulse ventilation.

#### FACTS:

Contractor:	Walkden High School, Manchester
Consulting engineers:	Aecom
Installation contractors:	Lang O'Rourke & Crown House Technology
Materials:	KE Fibertec UK Ltd.



### Excellent acoustic properties

To avoid unnecessary noise in the classrooms the consulting engineers requested a sound test.

They wanted to know how much sound can be absorbed by air ducts. We asked the University of Southampton to carry out the acoustic testing to see how much room attenuation would be provided by the ducts.

The results from these studies ensured that textile ducts were specified for Walkden High School and another 5 schools.

#### TECHNICAL DATA:

Year of construction:	2011
System:	KE-Inject® Hybrid D System with laser-cut holes
Colour:	Light grey (RAL nr. 9002)
Material:	TREVIRA CS HDC
Suspension:	Safetrack





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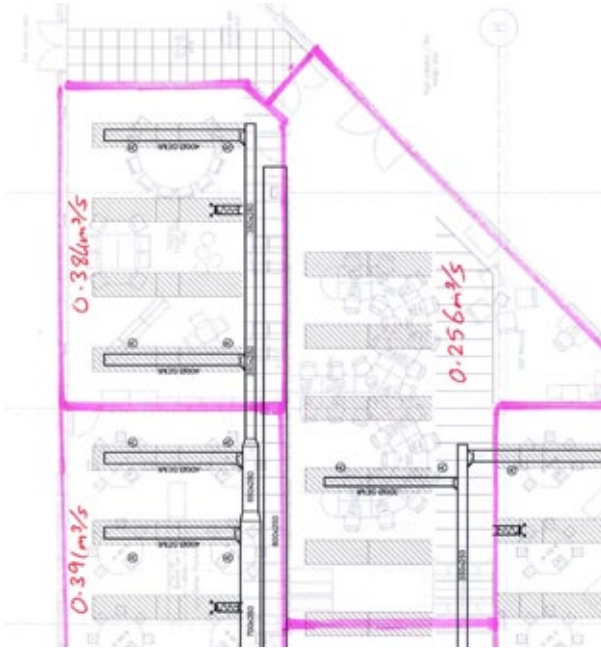
**Internal Sales Manager, Adam Taylor,  
KE Fibertec UK Ltd.**

*Hot, stuffy classrooms can seriously hinder learning. There is a requirement therefore to supply large volumes of air, this could potentially create noise and drafts.*

*Fortunately the inject hybrid systems are the best solution for comfort environments, offering both low air movement and low noise generation.*

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KE Fibertec AS is market leader in Textile Based Ventilation. We create good indoor climate through our tailored textile ducts for installation in sports arenas, offices, laboratories, schools etc.



Textile ducts are customizable, easy to install, washable, hygienic, and come in all shapes and colours.

For more information please visit our website: [www.ke-fibertec.com](http://www.ke-fibertec.com)

For more information, please contact:

**KE Fibertec AS**  
 Tel. +45 75 36 42 00  
[info@ke-fibertec.dk](mailto:info@ke-fibertec.dk)  
[www.ke-fibertec.com](http://www.ke-fibertec.com)

**KE Fibertec UK Ltd.**  
 Tel. +44 (0) 2380 740751  
[info@ke-fibertec.co.uk](mailto:info@ke-fibertec.co.uk)  
[www.ke-fibertec.co.uk](http://www.ke-fibertec.co.uk)