

Nathans Road, Wythenshawe, Manchester

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Nathans Road, Wythenshawe, Manchester: Combining ventilation with acoustic performance

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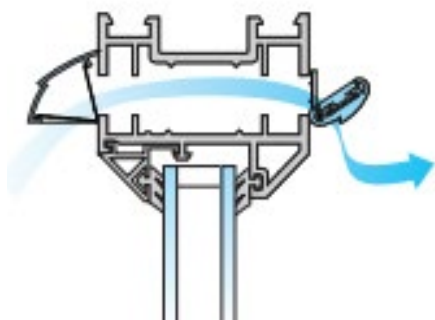
Nathans Road, Wythenshawe is the redevelopment of a site which previously housed a nursery building that had been demolished. The new development consisted of an apartment block of eight 2-bedroom units. The building was located approximately two miles from Manchester Airport, meaning that minimising noise was a major factor in the property design.

The project was completed in December 2017, led by architect BYA Liverpool, which contracted New Look Windows to fit all windows on the site. The specific brief given was to maximise the amount of background ventilation provided to the apartments, whilst minimising noise caused by the proximity to the airport.



Acoustic Vents

5000EA is suitable for use where a high level of equivalent area is required and to achieve the minimum room requirements under Building Regulations (min 5000mm² ea per room).



Basic Facts

- ▶ Redevelopment of a demolished former nursery building
- ▶ Apartment block of eight 2-bedroom units
- ▶ Requirement to minimise noise whilst providing correct level of ventilation
- ▶ Nuisance noise caused by proximity to Manchester Airport
- ▶ Greenwood's 5000EA window ventilators were used throughout the development

Design Elements

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1 Building

As well as the usual external noise you are subjected to in your home, from street activity to moving traffic, the location close to the airport meant that extra consideration needed to be given to how noise could be 'designed out' of the property.

Due to airport noise and other ambient sounds, the only window vents New Look Windows considered for the apartments were Greenwood's 5000EA Acoustic Vents. The product delivered twice as much background ventilation as other acoustic ventilators on the market whilst significantly reducing ambient noise.

Having previously used the 5000EA ventilators on another development in Ellesmere Port, New Look Windows were aware of how easy the ventilators were to install. The 5000EA also meets all specification criteria and Building Regulation requirements, incorporating both high levels of equivalent area ventilation and sufficient acoustic noise reduction.

2 Products

Key advantages of 5000EA

- Excellent airtightness performance with upward air deflection to reduce risk of draughts
- Aesthetically pleasing design and easy for the homeowner to open and control
- Modularity of acoustic sets provides flexibility for installation and performance
- A simple yet adaptable solution to meet required specification/Building Regulation criteria
- Achieves 5000EA along with a 42db reduction for maximum airflow and attenuation

"When the specification came through for the contract at Nathans Road, we had a good look at what the requirements were for not only acoustic performance but for ventilation needs. We had a very good experience when using Greenwood's ventilators on another contract, so we knew exactly what we needed to use to meet the requirements. We always keep ventilators in stock so we can fit them whenever required."

Jon Tudor, New Look Windows

