

Case Study

September 2015



Student accommodations

Paul Street, London

RENSON louvre panels for optimal indoor air quality and thermal resistance

The unique RENSON solution combines a glazed-in louvre panel type 414 with a 150 mm thick insulation panel to the rear with duct plenum.

A good air quality is crucial for students to keep the focus during studying, in the end achieving better results.

Therefore, all 419 student rooms of the prestigious project Paul St. in London feature their own ventilation unit. The duct of the system is connected to a louvre panel on top of every window in the building.

For accurate connection of the ventilation duct, the insulation panel was equipped with a duct opening for on-site connection. When no duct needs to be connected, the insulating back panel was installed fully closed, providing the required thermal resistance.

“We were looking for a specific solution for this application and RENSON Fabrication Ltd. was able to develop and manufacture a customised solution for us,” says Sean Keenan at FK construction. “By integrating these glazed-in louvre panels with special insulation on every window of a building, we could not only take care of ventilation and thermal resistance, but also add an additional architectural dimension to the façade of the building.”

UK-based manufacturer RENSON Fabrications Ltd., with production facility in Maidstone, develops and manufactures a wide range of products and systems. The company provides standard as well as customised solutions to the construction market.

“We offer architects, specifiers, developers, fabricators and installers a wide range of innovative systems, taking into account not only the ventilation and/or sun protection features, but also other aspects, such as thermal resistance and acoustic performance.

For various applications in the UK, we have been developing special ventilation solutions with louvre panels, combined with options, such as dampers or an insulation panel on the rear. By integrating e.g. glazed-in louvre panels with special details, architects and installers take care of the necessary supply of fresh air, adding an architectural accent to the building.”



RENSON reserves the right to make technical changes to the products shown.
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RENSON® HQ
IZ 2 Vijverdam • Maalbeekstraat 10 • B-8790 Waregem
Tel. +32 (0)56 62 71 11 • Fax +32 (0)56 60 28 51
info@renson.eu • www.renson.eu

RENSON® Fabrications LTD
Fairfax Unit 1-5 • Bircholt Road • Parkwood Industrial Estate • Maidstone • Kent ME15 9SF
Tel. 01622/754123 • Fax 01622/689478
info@rensonuk.net • www.rensonuk.net



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