

Fresh air indoors and out for the seaside residents of Liberty Homes

“Think MVHR – Think System”



Commanding a prominent position on the popular Tankerton seafront in Kent, a development of luxury apartments, designed by CPD Architecture in Canterbury for Liberty Homes, is welcoming its new residents.

Built in a traditional design to complement the beautiful surroundings, the development comprises nine two-bedroom and four one-bedroom apartments.

Ensuring the residents receive the greatest benefit from their location, Greenwood whole house mechanical ventilation and heat recovery systems have been specified for each dwelling. Bringing a supply of fresh sea air into the apartments, the ventilation systems will guarantee the provision of good indoor air quality all year round, whilst also offering energy efficient and silent operation.

MVHR REWARDS IN SAP CALCULATIONS

Commenting on the specification of the products Dave Botting, Architect at CDP Architecture remarks, “Whilst the building is not airtight, it is extremely well insulated, and we had a requirement to comply with

Level 3 of the Code for Sustainable Homes. We initially experienced some difficulty in achieving the necessary SAP calculation so decided to look at the option of installing a heat recovery system. With an outstanding SFP and excellent heat exchange efficiencies Greenwood’s Vireo heat recovery unit ticked all the boxes and enabled us to attain the required reward in SAP.”

A SYSTEM SOLUTION

A next generation, intelligent heat recovery unit, Vireo benefits from Greenwood SMART technology for quick and easy set-up to Building Regulation requirements, plus an intuitive installed performance to reduce nuisance noise and unnecessary energy usage.

Alongside the heat recovery units Liberty Homes have also used ComfoTube semi-rigid ducting from Greenwood to complete the installation.

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Dave Botting,
Technical Director
at CDP Architecture



Flat 51 Semi Rigid Ducting



Vireo HR155WM Heat Recovery Unit

Dave adds, “The construction of the property is such that the first and second floor apartments are fitted with precast concrete plank flooring. This meant that we needed to specify the use of rectangular ducting to fit within the ceiling void and the Flat 51 option of the ComfoTube ducting was ideal. In addition, on the top floor of the building a timber floor was installed. With the added requirement for fire resistant boards and sound insulation, the flat structure of the ducting ensured all elements fitted seamlessly within the ‘Robust Details’ separating floor construction that was used.”

HIGH QUALITY SPECIFICATION

Commenting on the choice of products for Liberty Homes, Heath Clay, Contract Manager, at the company adds, “Aimed at the top end of the market the apartments have been finished to a very high standard, therefore the specification of the equipment was very important to us. As such, with Vireo as the chosen heat recovery unit it made perfect sense for us to specify the accompanying ComfoTube ducting as well. By using the two products together we have been able to provide an efficient and reliable installation for the residents in the long term, whilst also benefitting from the back-up and technical support offered by Greenwood during the design and construction phases.”

THE WRITING’S ON THE WALL FOR RIGID DUCTING WITH MVHR

Tested to SKZ standard, one of Europe’s largest accredited and certified institutes for quality assurance, ComfoTube semi-rigid ducting is capable of handling the routine rigours of installation work, whilst also ensuring a supply of healthy fresh air. With the ability to be cut to size and bent around joists ComfoTube ducting requires fewer connections than traditional ducting, dramatically reducing the risk of leakage and allowing a faster and better quality installation.

“The actual physical installation of the products has also been straightforward” adds Heath. “As the apartments have been constructed with MF suspended ceilings there was sufficient space for crossovers to be accommodated within the ceiling void. What’s more, the unique fix and lock system of the ducting meant that we were able to complete the install quickly and easily.”

With panoramic coastal views and a sought-after location the prestigious apartments are now on the market as idyllic seaside retreats. Reflecting on the project as a whole Heath concludes, “We are pleased with the service and technical support we have received from Greenwood on this project, and look forward to working with them again in the future.”

Think MVHR – Think System

Vireo MVHR Unit

- Next generation MVHR with excellent SFP and Heat Exchange efficiency to 92%
- Range suitable for all applications including inline and ceiling mounting
- Revolutionary and patented DISO technology for single condensate outlet
- True and only unit with universal handling at the touch of a button
- The SMARTest commissioning process via the set-up wizard
- Compact, discreet and quiet running for occupants
- Includes Greenwood SMART Technology

ComfoTube Ducting

- Zero leakage ducting system designed for MVHR systems
- Up to 75% reduction in ducting connections throughout the house reducing installation time and improving performance
- No need for tape or sealants with mechanical locking system saving further time during installation
- Bend it, shape it, any way you want it – semi rigid, robust but flexible
- Radial ducting system for easy commissioning and GIP
- Fully guaranteed and cleanable throughout its installed life

Spotlight on Greenwood CommissionSMART™



In just 8 simple steps you can set up Vireo on-site (others take up to 27 to do the same process). With the Greenwood CommissionSMART™ wizard it is simple to achieve GIP onsite as well as installer happiness!

For more information on Vireo and ComfoTube Ducting please contact Greenwood Customer Services on 0870 900 1880 or visit www.greenwood.co.uk

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