



## VIPA International Case Study

### VIP technology checks in at the Premier Inn

#### The Problem

Visitors to Harrogate's International Centre (HIC) now don't have far to go for a good night's sleep thanks to the construction of an adjoining Premier Inn, featuring a roofing system containing VIP technology.

HIC is the third largest venue of its kind in the UK, welcoming over 155,000 business visitors every year. The new six-storey Premier Inn provides 107 beds and was designed by Howarth Litchfield Partnership Ltd with Russells Construction operating as the main contractors. It combines modern features with a traditional York stone façade, complementing the surrounding architecture.

To maintain drainage, a wide channel was incorporated into the building's flat roof. At 18 metres long and over a metre wide, it was essential that this was properly insulated whilst still providing the required fall. Subcontractor Protech Roofing therefore installed a roofing system featuring VIP.

#### The Solution

The vacuum insulation technology achieves the required thermal performance with a far thinner thickness than would be possible with conventional insulation. The 30mm thick panels were fitted within the channel along with flex infill strips of a matching thickness. These strips can be cut or penetrated to account for all design requirements. A 25mm overlay of tapered insulation was then fitted to receive the adhered single-ply roof membrane.

20-40 mm thick panels have now been certified under the demanding BDA Agrément® scheme. This independent certification confirms their thermal conductivity of just 0.007 W/m-K and is accepted by NHBC and the LABC. This can help to fast-track projects through the procedures and approvals processes, reducing costs.

#### The Result

David McLean, Managing Director from Protech Roofing, commented: *"We found VIP lightweight and easy to handle and we were able to get them laid quickly following the plan provided by the manufacturer's technical team. Obviously it was essential to achieve a U-value that was compliant with the Building Regulations and the VIP used gave our client the confidence that this would be met without compromising drainage."*

**Case study provided by Kingspan Insulation**

## VACUUM INSULATION PANEL



## GLOBAL ASSOCIATION

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#### About VIPA International:

The Vacuum Insulation Panel Association is a global trade association representing the interests of manufacturers of vacuum insulation panels as well as supply chain. The mission of the association is to act as the global voice of the vacuum insulation panel industry, promote quality and raise awareness of the potential to save space and energy costs and to reduce carbon dioxide emissions in a wide range of applications and industries. VIPA International is a 501 (c) (6) not-for-profit organisation incorporated under the law of the State of Delaware in the United States of America.

The association was created in August 2014 by ten founding members.

For more information visit the website: [www.vipa-international.org](http://www.vipa-international.org) or contact the global office at [VIPA-international@kelleneurope.com](mailto:VIPA-international@kelleneurope.com)