

#### **A. Proctor Group – Innovation Members of The Retrofit Academy**



#### **A. Proctor Group – Thermal Bridging and Junction Design in Building Envelopes**

This is a short document produced by A. Proctor Group in support of their Spacetherm Multi product. Although it is intended to showcase the benefits of using the Spacetherm Multi insulation boards in areas where there is a risk of condensation and mould growth, it does provide a useful introduction to those retrofit professionals who haven't fully explored the role of thermal bridging in energy efficiency of buildings.

The document has examples of the implications of thermal bridging, examples of how to use the Spacetherm product to mitigate the effects of thermal bridging in common construction environments, as well as including two case studies focussed on how the products would benefit property owners and occupants, particularly where convention insulation may cause issues due to reduction in floor area or by raising the floor height.

There are also links embedded within the document that open more detailed explanations and access to various design tools on the Proctor Group website, as well as links to resources from other organisations.

The document will be useful to designers and coordinators who are looking for alternatives to fossil fuel-based insulation products that are not vapour permeable, and hence not suited to some installations, particularly traditionally constructed buildings.