



## Kingspan TEK®

### 172 MM STRUCTURAL INSULATED PANELS

The *Kingspan TEK®* Building System and *Kingspan TEK®* Cladding Panels are now available in a new 172 mm panel thickness, delivering minimum wall and roof U-values of 0.16 W/m<sup>2</sup>·K without the need for additional insulation.

Both *Kingspan TEK®* Building System panels and *Kingspan TEK®* Cladding Panels comprise two layers of 15 mm Oriented Strand Board type 3 (OSB/3) either side of a high performance insulated core.

The panels are designed and factory pre-cut to each project's unique specifications by one of the network of highly experienced *Kingspan TEK®* Delivery Partners. This ensures a smooth, predictable erection program with minimal site waste. The product's panelised design also allows fast-track installations with most projects completed in a matter of weeks; and once a breather membrane is fitted, the panels form a watertight shell, allowing follow-on trades to begin work at an early stage in the build.

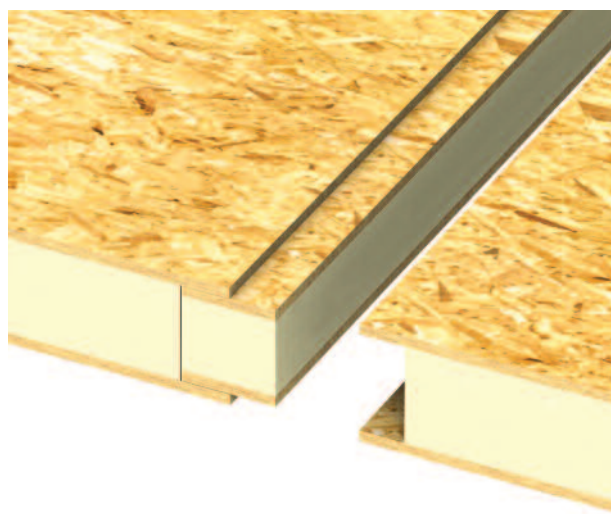
With the addition of a 65 mm insulated lining of *Kingspan Thermawall® TW55*, the thicker panels can easily achieve U-values as low as 0.10 W/m<sup>2</sup>·K, far surpassing the requirements of the Building Regulations / Standards. The System's proprietary jointing system also delivers excellent airtightness, with potential for air leakage rates as good as 1m<sup>3</sup>/hour/m<sup>2</sup> at 50 Pa.

In addition to improved thermal performance, 172 mm *Kingspan TEK®* panels are also able to span greater distances when used in cladding or roof applications, offering even better design flexibility.

The *Kingspan TEK®* Building System and *Kingspan TEK®* Cladding Panels can directly contribute towards a number of BREEAM credits including responsible sourcing and life cycle impacts. Their OSB3 facing is PEFC certified and their fibre-free insulated core is manufactured with a blowing agent that has zero Ozone Depletion Potential (ODP) and low Global Warming Potential (GWP).



The *Kingspan TEK®* Cladding Panels' and *Kingspan TEK®* Building System's use is covered by European Technical Approval ETA-11/0466. The *Kingspan TEK®* Building System is recognised by the major building warranty providers including NHBC, Building Life Plans, Premier, Build Zone, Homebond and HAPM.



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