

Insulated Panels

UK & Ireland

Technical Update: TU039 / EU130

Kingspan QuadCore® KS1000RW
Wall Panel, Horizontally Laid
Firewall

Tech-eXchange


Kingspan®

KINGSPAN QUADCORE® KS1000RW WALL PANEL, HORIZONTALLY LAID FIREWALL

DATE: OCTOBER 2025

The purpose of this technical update is to ensure that the reader is aware of the recent addition to the Kingspan QuadCore KS1000RW Wall Panel offering in relation to fire resistance.

Kingspan has recently completed fire testing for the QuadCore KS1000RW Wall Panel with a core thickness of 60mm in a horizontal orientation.

The fire resistance test was carried out in accordance with BS EN1364-1 and the panel achieved 71 minutes integrity and 19 minutes insulation from inside to outside. (Report no. 23796A).

The specification of the tested is as follows:

- External face: Steel with the Kingspan Spectrum coating.
- Core: QuadCore insulation, 60mm core thickness.
- Internal face: Steel with the Kingspan CLEANSafe15 coating.

In line with the procedure given in EN13501-2:2023 Fire classification of products and building elements the Quadcore KS1000RW Wall Panel, when laid horizontally with a minimum core thickness of 60mm has the following classification: (Report no. 23796C).

- E60 (integrity) and EI15 (insulation).

The QuadCore KS1000RW Wall Panel must be installed in line with the following:

- Minimum core thickness 60mm.
- Panel maximum span 3.0m.*
- Panel fixed at ends with a minimum of 3 fixings.*
- Panel fixed at mid supports using a minimum of 2 fixings.*
- Panel side lap stitched at maximum 500mm centres.

For guidance on alternative internal and external coatings please contact Kingspan Technical.

* The maximum allowable panel span and quantity of fixings required are subject to project specific wind loads, third-party approvals and supporting construction. For further guidance please contact Kingspan Technical Teams on the details below.

The steelwork to which the panel is fixed must be designed in accordance with the guidance set out by SCI and also BCSA as per the below and be capable of supporting the panel for the required duration.

Below is a link to the BCSA Guidance document :

<https://bcsa.org.uk/product/technical-specification-for-boundary-elevations-pdf/>

If you would like some further guidance from our structural products technical team, please feel free to contact them via email :

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