

Certificate of Product Approval

Certificate Number: 186f

Issue: 04



KINGSPAN LIMITED

Carrickmacross Road
Kingscourt
County Cavan
Ireland

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) as detailed below:

Products

Sandwich Panel Systems

- Kingspan^{IPN} QuadCore KS1000RW (roof panel)
- Kingspan^{IPN} QuadCore KS600-1200 AWP
- MR FL FL-S EB WV MM CX PL Optimo Benchmark
- Evolution KS1000 TL Benchmark Louvre DW
- Benchmark Curve DW (wall panel)
- Kingspan^{IPN} QuadCore KS600-1200AB (roof/ceiling panel)
- Kingspan^{IPN} QuadCore KS1000RW (wall panel)

Standards

LPS 1181 Part 1: Issue 1.2

Series of Fire Growth Tests for LPCB Approval and Listing of Construction Product Systems. Part 1: Requirements and Tests for Built-up Cladding and Sandwich Panel Systems for use as the External Envelope of Buildings.

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for BRE Global Ltd.

Vida Gaubsaite

Certification Scheme Manager

20 August 2018

Date of Issue

27 November 2017

Date of First Issue



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BRE Global Ltd, Garston, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

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Appendix to Certificate No: 186f KINGSPAN LIMITED

Issue: 04

Product Name	Thickness (mm)	Specification Wall Panel Orientation (H/V) (Note 1)	Kingspan Model Specification Ref (Note 2)	Fire Resistance Intergrity/Insulation (min)	LPS 1181-1 Grade	Core Material (Note 2)	LPCB Ref. No.
Kingspan ^{IPN} QuadCore KS1000RW (roof panel)	40 - 150	-	37 Rev 1	-	EXT - B	Hybrid Insulation	186f/01
Kingspan ^{IPN} QuadCore KS600 -1200 AWP, MR, FL, FL-S, EB, WV, MM, CX, PL, Optimo, Benchmark Evolution, KS1000 TL, Benchmark Louvre DW, Benchmark Curve DW (wall panel)	45 – 150	V or H	38 Rev 0	-	EXT – B	Hybrid Insulation	186f/02
Kingspan ^{IPN} QuadCore KS600 – 1200AB (roof/ceiling panel)	45 – 200	-	39 Rev 0	-	EXT - B	Hybrid Insulation	186f/03
Kingspan ^{IPN} QuadCore KS1000RW (wall panel)	40 – 150	V	37 Rev 1	-	EXT – B	Hybrid Insulation	186f/04

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Kingspan ^{IPN} QuadCore KS1000RW (wall panel)	40 – 150	V	37 Rev 1	118/15	EXT – A15	Hybrid Insulation	186f/05
Kingspan ^{IPN} QuadCore KS1000RW (wall panel)	80 - 150	V	37 Rev 1	77/35	EXT – A30	Hybrid Insulation	186f/06

Notes:

1. Wall panel orientation, Horizontal or Vertical (H/V), relates to the long joint orientation.
2. The Kingspan Model Specification documents contain full system details including panel fixing requirements, joint seals and stitching details as applicable. Reference must be made to the appropriate Model Specifications to define the specific approval installation requirements.

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