

## Certificate of Product Approval

Certificate Number: 186a

Issue: 45

### KINGSPAN LIMITED

Carrickmacross Road  
Kingscourt  
Co. 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 Wall and Roof Panel Systems

Refer to attached appendix for details

#### Standards

##### LPS 1181 Part 1: Issue 1

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.

Chris White

Certification Scheme Manager

05 August 2021

Date of Issue

23 July 1998

Date of First Issue



This certificate and appendix remain the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

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

LPCB is a registered trademark of BRE (the Building Research Establishment Ltd.)



## Appendix to Certificate No: 186a KINGSPAN LIMITED

Issue: 45

Product Name	Thickness (mm)	Specification Wall Panel Orientation (H/V) (Note 1)	Kingspan Model Specificati on Ref (Note 2)	Fire Resistance Integrity / Insulation (min)	LPS 1181-1 Grade	Core Material (Note 3)	LPCB Ref. No.
Kingspan KS1000 RW (roof and wall panel)	30 – 150	V or H	17 Rev 7	-	EXT-B	Ecosafe PIR	186a/42
Kingspan KS1000 RW (wall panel)	40 – 150	V	17 Rev 7	144/18	EXT-A15	Ecosafe PIR	186a/38
Kingspan KS1000 RW (wall panel)	40 – 150	H	17 Rev 7	145/18	EXT-A15	Ecosafe PIR	186a/38
Kingspan KS1000 RW (wall panel)	40 – 150	H	17 Rev 7	62/19	EXT-A15	Ecosafe PIR	186a/38
Kingspan KS1000 RW/FW30 (wall panel)	80 – 150	V	17 Rev 7	120/30	EXT-A30	Ecosafe PIR	186a/40
Kingspan KS1000 RW/FW30 (wall panel)	100 – 150	V	17 Rev 7	241/43	EXT-A30	Ecosafe PIR	186a/40
Kingspan KS2000 RW (roof panel)	30 – 150	-	27 Rev 3	-	EXT-B	Ecosafe PIR	260a/69
Kingspan KS1000 SF (roof and wall panel)	30 – 150	V or H	19 Rev 5	-	EXT-B	Ecosafe PIR	186a/43
Kingspan KS1000 SF (wall panel)	40 – 150	V	19 Rev 5	144/18	EXT-A15	Ecosafe PIR	186a/39
Kingspan KS1000 SF/FW30 (wall panel)	100 – 150	V	19 Rev 5	241/43	EXT-A30	Ecosafe PIR	186a/41
Kingspan KS1000 BU (roof and wall panel)	30 – 150	V	5 Rev 6	-	EXT-B	Ecosafe PIR	186a/46
Kingspan KS1000 LJ (wall panel)	60-150	V	4 Rev 5	-	EXT-B	Ecosafe PIR	186a/44
Kingspan KS1000 LJ (roof panel)	80 – 150	-	4 Rev 5	-	EXT-B	Ecosafe PIR	186a/45

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..

Chris White

Certification Scheme Manager

05 August 2021

Date of Issue

23 July 1998

Date of First Issue



This certificate and appendix remain the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

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

LPCB is a registered trademark of BRE (the Building Research Establishment Ltd.)




## Appendix to Certificate No: 186a KINGSPAN LIMITED

Issue: 45

Product Name	Thickness (mm)	Specification Wall Panel Orientation (H/V) (Note 1)	Kingspan Model Specificati on Ref (Note 2)	Fire Resistance Integrity / Insulation (min)	LPS 1181-1 Grade	Core Material (Note 3)	LPCB Ref. No.
Kingspan KS1000 TS (roof panel)	30 – 150	-	12 Rev 4	-	EXT-B	Ecosafe PIR	186a/47
Kingspan KS2000 TS (roof panel)	30 – 150	-	28 Rev 2	-	EXT-B	Ecosafe PIR	260a/68
Kingspan KS500 Zip & KS1000 Zip (roof panel)	45 – 147	-	8 Rev 10	-	EXT-B	Ecosafe PIR	260a/54
Kingspan KS1000 LP (roof panel)	45 – 115	-	2 Rev 5	-	EXT-B	Ecosafe PIR	279a/65
Kingspan KS1000 CR (roof panel)	45 – 115	-	3 Rev 5	-	EXT-B	Ecosafe PIR	279a/66
Kingspan KS1000 DR (wall panel)	40 – 100	V	29 Rev 3	-	EXT-B	Ecosafe PIR	279a/16
Kingspan KS1000 DR (wall panel)	80 – 100	V	29 Rev 3	79/28	EXT-A30	Ecosafe PIR	279a/36
Kingspan KS1000 DR (roof panel)	40 – 100	-	29 Rev 3	-	EXT-B	Ecosafe PIR	279a/34
Kingspan KS1000 TD (roof panel)	34 – 120	-	30 Rev 4	-	EXT-B	Ecosafe PIR	279a/29
Kingspan KS600 -1200 MR, FL, FL-S, EB, WV, MM, CX, PL, Benchmark Evolution, Optimo & KS1000 TL, Benchmark Louvre DW & Benchmark Curve DW (wall panel)	45 – 150	V or H	18 Rev 12	-	EXT-B	Ecosafe PIR	260a/37

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..

Chris White

Certification Scheme Manager

05 August 2021

Date of Issue

23 July 1998

Date of First Issue



This certificate and appendix remain the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

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

LPCB is a registered trademark of BRE (the Building Research Establishment Ltd.)




## Appendix to Certificate No: 186a KINGSPAN LIMITED

Issue: 45

Product Name	Thickness (mm)	Specification Wall Panel Orientation (H/V) (Note 1)	Kingspan Model Specificati on Ref (Note 2)	Fire Resistance Integrity / Insulation (min)	LPS 1181-1 Grade	Core Material (Note 3)	LPCB Ref. No.
Kingspan KS600 -1200 MR, FL, FL-S, EB, WV, MM, CX, PL, Benchmark Evolution, Optimo & KS1000 TL, Benchmark Louvre DW & Benchmark Curve DW (wall panel)	70 – 150	V	18 Rev 12	40/15	EXT-A15	Ecosafe PIR	260a/36
Kingspan KS600 -1000 MR, FL, FL-S, EB, WV, MM, CX, PL, Benchmark Evolution, Optimo & KS1000 TL, (wall panel)	100 – 150	V	18 rev 12	132/28	EXT-A30	Ecosafe PIR	260a/64
Kingspan KS600 - 1000 LS - MR, FL, EB, WV, MM or CX profile options (wall panel)	80 – 150	V or H	9 Rev 7	-	EXT-B	Ecosafe PIR	260a/67
Kingspan KS600 - 1000 Benchmark Render DW (wall panel)	45 – 100	V or H	20 Rev 3	-	EXT-B	Ecosafe PIR	260a/49
Kingspan KS600 - 1000 Benchmark Render DW (wall panel)	70 -100	V	20 Rev 3	40/15	EXT-A15	Ecosafe PIR	260a/50
Kingspan KS600 -1000 FX (wall panel)	45 – 100	V or H	21 Rev 5	-	EXT-B	Ecosafe PIR	260a/53
Kingspan KS1000 EP Energi (wall and roof panel)	68 – 100	V	25 Rev 2	-	EXT-B	Ecosafe PIR	279a/30

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..

Chris White

Certification Scheme Manager

05 August 2021

Date of Issue

23 July 1998

Date of First Issue



This certificate and appendix remain the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

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

LPCB is a registered trademark of BRE (the Building Research Establishment Ltd.)




## Appendix to Certificate No: 186a KINGSPAN LIMITED

Issue: 45

Product Name	Thickness (mm)	Specification Wall Panel Orientation (H/V) (Note 1)	Kingspan Model Specificati on Ref (Note 2)	Fire Resistance Integrity / Insulation (min)	LPS 1181-1 Grade	Core Material (Note 3)	LPCB Ref. No.
Kingspan KS1000 FC (wall and roof panel)	34 – 100	V or H	16 Rev 6	-	EXT-B	Ecosafe PIR	279a/39
Kingspan KS1000 FC (wall panel)	68 – 100	V	16 Rev 6	51/20	EXT-A15	Ecosafe PIR	279a/40
Kingspan KS1000 FC (wall panel)	100	V	16 Rev 6	118/31	EXT-A30	Ecosafe PIR	279a/41
Kingspan Benchmark Metallic ACM Tray	95 – 150	V or H	26 Rev 6	-	EXT-B	Ecosafe PIR	260a/62
Kingspan Benchmark Wood Composite System	94 – 149	V or H	24 Rev 4	-	EXT-B	Ecosafe PIR	260a/59
Kingspan Benchmark Ceramic Granite System	95 – 150	V or H	23 Rev 5	-	EXT-B	Ecosafe PIR	260a/58
Kingspan Benchmark Ceramic Granite System	120 – 150	V	23 Rev 5	73/35	EXT-A30	Ecosafe PIR	260a/63
Thermabrick Façade System	110 – 165	V	22 Rev 5	-	EXT-B	Ecosafe PIR	260a/60
Thermabrick Façade System	135 – 165	V	22 Rev 5	220/83	EXT-A60	Ecosafe PIR	260a/61
Kingspan Benchmark Ceramic Tile System	80 – 135	V or H	14 Rev 6	-	EXT-B	Ecosafe PIR	260a/35
Kingspan Benchmark Ceramic Tile System	105 – 135	V	14 Rev 6	32/32	EXT-A30	Ecosafe PIR	260a/34
Kingspan Benchmark Trespa System	95 – 150	V or H	31 Rev 2	-	EXT-B	Ecosafe PIR	260a/70

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..

Chris White

Certification Scheme Manager

05 August 2021

Date of Issue

23 July 1998

Date of First Issue



This certificate and appendix remain the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

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

LPCB is a registered trademark of BRE (the Building Research Establishment Ltd.)




## Appendix to Certificate No: 186a KINGSPAN LIMITED

Issue: 45

Product Name	Thickness (mm)	Specification Wall Panel Orientation (H/V) (Note 1)	Kingspan Model Specificati on Ref (Note 2)	Fire Resistance Integrity / Insulation (min)	LPS 1181-1 Grade	Core Material (Note 3)	LPCB Ref. No.
Kingspan KS600 - 1200 CS (wall panel)	80 – 200	V or H	13 Rev 3	-	EXT-B	Ecosafe PIR	279c/15
Kingspan KS600 - 1200 CS (ceiling panel)	80 – 200	-	13 Rev 3	-	EXT-B	Ecosafe PIR	279c/16
KS1000SRW (wall and roof panel)	40-80	V	34 Rev 0	-	EXT-B	Ecosafe PIR	260a/72
KS1000SRW (wall panel)	40-80	V	34 Rev 0	49/16	EXT-A15	Ecosafe PIR	260a/74

### 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 Specification to define the specific approval installation requirements. Copies of Model Specifications are available on request, please contact the Kingspan Envirocare Department.
3. Core material solutions listed as Ecosafe PIR are CFC/HCFC/HFC Free, Low GWP. Core material solutions listed as PIR are CFC/HCFC Free.

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..

Chris White

Certification Scheme Manager

05 August 2021

Date of Issue

23 July 1998

Date of First Issue



This certificate and appendix remain the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

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

LPCB is a registered trademark of BRE (the Building Research Establishment Ltd.)


