



# Kitemark™ Licence

This is to certify that:

**Pioneer Trading Company Essex Ltd**

Units 1-3 Red Barn, Warners Farm  
Howe Street  
Great Waltham  
Chelmsford  
CM3 1BN  
United Kingdom

Holds Kitemark Licence Number:

**KM 566113**

In respect of:

**Window Energy Rating**

This issues the right and Licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Licence shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Licence provided at or from the above address.

For and on behalf of BSI:

Gary Fenton, Global Assurance Director

First Issued: 16/09/2010

Latest Issue: 16/10/2013



## No. KM 566113

Window	Rating Band	Rating Index (kWh/(m <sup>2</sup> .yr))	U <sub>w</sub> (W/(m <sup>2</sup> .K))	Solar Factor g <sub>w</sub>	Air Leakage heat loss (W/(m <sup>2</sup> .K))
Shield A+21 T	A+	21	1.0	0.41	0.00
Shield A FR	A	5	1.4	0.45	0.00
Shield A3	A	3	1.4	0.45	0.00
Shield Ali B	B	-8	1.6	0.45	0.00
Shield Ali C	C	-19	1.7	0.45	0.00
Shield A INT FR	A	3	1.4	0.44	0.00
Shield A INT	A	1	1.4	0.44	0.00
Shield A WO	A	0	1.4	0.44	0.00
Shield B WO FR	B	-1	1.4	0.42	0.00
Shield B WO	B	-4	1.4	0.42	0.00
Shield A WH	A	3	1.4	0.45	0.00
Shield B Ali WH	B	-8	1.6	0.45	0.00
Shield SBD A	A	5	1.4	0.45	0.00
Shield SBD C	C	-14	1.5	0.41	0.00
VS A Spectus	A	0	1.4	0.45	0.02
Synerjy A8	A	8	1.4	0.47	0.00
Synerjy A FR	A	5	1.4	0.45	0.00
Synerjy A3	A	3	1.4	0.45	0.00
Synerjy Ali B	B	-7	1.5	0.45	0.00
Synerjy Ali C	C	-20	1.7	0.44	0.00
Synerjy A INT FR	A	2	1.3	0.43	0.00

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Synerjy B Ali INT	B	-10	1.5	0.43	0.00
Synerjy A WO	A	1	1.4	0.44	0.00
Synerjy B WO FR	B	-1	1.4	0.42	0.00
Synerjy B WO	B	-3	1.4	0.42	0.00
Synerjy A WH	A	1	1.4	0.44	0.00
Synerjy SBD A	A	8	1.4	0.47	0.00
Synerjy SBD C	C	-14	1.5	0.41	0.00
Signature A+33 TFR	A+	33	0.8	0.41	0.00
Signature A+18T	A+	18	1.0	0.41	0.00
Signature A+15 INT TFR	A+	15	1.0	0.39	0.00
Signature A+13 WO TFR	A+	13	1.0	0.38	0.00
Signature A+12	A+	12	1.3	0.48	0.00
Signature A9 FR	A	9	1.3	0.46	0.00
Signature A5	A	5	1.4	0.46	0.00
Signature A 28mm	A	5	1.4	0.45	0.00
Signature Ali C	C	-19	1.7	0.45	0.00
Signature A INT	A	2	1.4	0.44	0.00
Signature A INT FR	A	4	1.4	0.44	0.00
Signature B Ali INT	B	-9	1.5	0.44	0.00
Signature A WO FR	A	1	1.3	0.42	0.00

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<b>Window</b>	<b>Rating Band</b>	<b>Rating Index (kWh/(m<sup>2</sup>.yr))</b>	<b>U<sub>w</sub> (W/(m<sup>2</sup>.K))</b>	<b>Solar Factor g<sub>w</sub></b>	<b>Air Leakage heat loss (W/(m<sup>2</sup>.K))</b>
Signature B WO	B	-5	1.4	0.42	0.00
Signature A WH	A	2	1.4	0.45	0.00
Signature A WH 28mm	A	5	1.4	0.45	0.00
Signature B Ali WH	B	-10	1.6	0.45	0.00
Signature SBD A	A	10	1.4	0.48	0.00
Signature SBD B	B	-3	1.4	0.45	0.00

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This Licence remains the property of The British Standards Institution and shall be returned immediately upon request.  
To check its validity telephone +44 (0)845 080 9000

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