



TECHNICAL BULLETIN

BRE Green Guide Summary Ratings

FOR KOOLTHERM[®], KOOLDUCT[®], & THERMA[™] PRODUCTS
MANUFACTURED AT KINGSPAN INSULATION'S BRITISH PLANTS



*Low Energy -
Low Carbon Buildings*

BRE Green Guide Summary Ratings

Summary

The *Kingspan Kooltherm*[®] K-range of products produced at Kingspan Insulation Ltd's Pembridge manufacturing facility has achieved across-the-board A+ BRE Green Guide 2008 Summary Ratings.

The ratings were awarded by BRE Global, which used its 2008 Environmental Profiles Methodology to assess the environmental impacts of the products across their entire life cycles from cradle to grave. The 2008 Green Guide rating system uses such data to classify performance in a number of key areas and awards a Summary Rating on a scale from E (worst) up to A+ (best).

Kingspan Insulation also commissioned BRE Global to carry out an environmental profile assessment for most products in the Kingspan **Therma**[™] range produced at its Pembridge and Selby manufacturing facilities. All foil faced **Therma**[™] products assessed also achieved an A+ BRE Green Guide 2008 Summary Rating. All assessed **Therma**[™] products with other facings achieved an A Summary Rating. In addition, BRE Global carried out an environmental profile assessment for *Kingspan KoolDuct*[®] panels and the insulation strips used in *Kingspan Kooltherm*[®] Cavity Closer produced at its Pembridge manufacturing facility. BRE Global has assigned both panels a BRE Green Guide 2008 Summary Rating of A.

All of the products for which BRE Green Guide 2008 Summary Ratings were produced and their respective Summary Ratings are shown in the table overleaf.

Details of all BRE Green Guide 2008 Summary Ratings are published on BRE's Green Book Live website.

Go to www.greenbooklive.com and search on the company name "Kingspan Insulation".

Click on the appropriate Appendix No. and a copy of the relevant certificate will be displayed.



Environmental Profiles Scheme
Certificate Numbers ENP 500

2008 Green Guide Summary Ratings for Various Kingspan Insulation Products

Product	No Airspace		Airspace on One Side		2008 Green Guide Summary Rating
	Ecopoint Score	Element No.	Ecopoint Score	Element No.	
<i>Kingspan</i> Kooltherm ® K3 Floorboard	0.031/0.037	1415320100/101	–	–	A+
<i>Kingspan</i> Kooltherm ® K5 External Wall Board	0.031	1415320100	–	–	A+
<i>Kingspan</i> Kooltherm ® K7 Pitched Roof Board	0.030	1415320094	0.027 ¹	1415320095	A+
<i>Kingspan</i> Kooltherm ® K8 Cavity Board	0.030	1415320094	0.025 ²	1415320096	A+
<i>Kingspan</i> Kooltherm ® K10 Soffit Board	0.033	1415320102	–	–	A+
<i>Kingspan</i> Kooltherm ® K12 Framing Board	0.030	1415320094	0.025 ²	1415320096	A+
<i>Kingspan</i> Kooltherm ® K15 Rainscreen Board	–	–	0.034 ³ /0.035	1415320099/106	A+
<i>Kingspan</i> Kooltherm ® K17 Insulated Plasterboard	0.033	1415320102	–	–	A+
<i>Kingspan</i> Kooltherm ® K18 Insulated Plasterboard	0.033	1415320102	0.029 ²	1415320103	A+
<i>Kingspan</i> Kooltherm ® Cavity Closer Insulation Strips	0.056	1415320097	–	–	A
<i>Kingspan</i> Kooltherm ® Duct Insulation	0.033	1415320102	–	–	A+
<i>Kingspan</i> KoolDuct ® Panel	0.056	1415320098	–	–	A
<i>Kingspan</i> Thermapitch ® TP10	0.042	1415320108	0.038 ¹	1415320109	A+
<i>Kingspan</i> Therma roof® TR21	0.055	1415320110	–	–	A
<i>Kingspan</i> Therma roof® TR24	0.057	1415320111	–	–	A
<i>Kingspan</i> Therma roof® TR26 LPC/FM	0.045	1415320090	–	–	A+
<i>Kingspan</i> Therma roof® TR27 LPC/FM	0.058	1415320091	–	–	A
<i>Kingspan</i> Therma roof® TR31	0.042	1415320108	0.038 ¹	1415320109	A+
<i>Kingspan</i> Therमतaper ® TT41	0.055	1415320110	–	–	A
<i>Kingspan</i> Therमतaper ® TT44	0.057	1415320111	–	–	A
<i>Kingspan</i> Therमतaper ® TT46 LPC/FM	0.045	1415320090	–	–	A+
<i>Kingspan</i> Therमतaper ® TT47 LPC/FM	0.058	1415320091	–	–	A
<i>Kingspan</i> Therमawall ® TW50	–	–	0.036 ²	1415320115	A+
<i>Kingspan</i> Therमawall ® TW53	0.055	1415320107	–	–	A
<i>Kingspan</i> Therमawall ® TW55	0.042	1415320108	0.036 ²	1415320115	A+
<i>Kingspan</i> Thermaf loor® TF70	0.042	1415320108	–	–	A+
<i>Kingspan</i> Therma ® Duct Insulation	0.042	1415320108	–	–	A+

1 in a roof with a min. 13mm unventilated airspace one side
2 in a wall with a min. 20mm unventilated airspace one side
3 in a wall with a ventilated airspace to one side

Contact Details

Customer Service

For quotations, order placement and details of despatches please contact the Kingspan Insulation Customer Service Department on the numbers below:

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Literature & Samples

Kingspan Insulation produces a comprehensive range of technical literature for specifiers, contractors, stockists and end users. The literature contains clear 'user friendly' advice on typical design; design considerations; thermal properties; sitework and product data.

Available as a complete Design Manual or as individual product brochures, Kingspan Insulation technical literature is an essential specification tool. For copies please contact the Kingspan Insulation Marketing Department, or visit the Kingspan Insulation website, using the details below:

Tel: +44 (0) 1544 387 384
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Tapered Roofing

For technical guidance, quotations, order placement and details of despatches please contact the Kingspan Insulation Tapered Roofing Department on the numbers below:

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Technical Advice / Design

Kingspan Insulation supports all of its products with a comprehensive Technical Advisory Service for specifiers, stockists and contractors.

This includes a computer-aided service designed to give fast, accurate technical advice. Simply phone the Kingspan Insulation Technical Service Department with your project specification. Calculations can be carried out to provide U-values, condensation / dew point risk, required insulation thicknesses etc... Thereafter any number of permutations can be provided to help you achieve your desired targets.

The Kingspan Insulation Technical Service Department can also give general application advice and advice on design detailing and fixing etc... Site surveys are also undertaken as appropriate.

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Kingspan Insulation Ltd is a member of:
The National Insulation Association (NIA)



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