



Kooltherm® K15 Rainscreen Board

DETAILED SPECIFICATION

Project: U-value required:

U-value calculation reference: Thickness:

(BBA Certified: Competent person CS/1004-1)

Properties

Kingspan Kooltherm® K15 Rainscreen Board is faced on both sides with a low emissivity composite foil autohesively bonded to the insulation core during manufacture. The core of *Kingspan Kooltherm® K15 Rainscreen Board* is a premium performance rigid thermoset modified resin insulant manufactured with a blowing agent that has zero Ozone Depletion Potential (ODP) and low Global Warming Potential (GWP). The compressive strength of *Kingspan Kooltherm® K15 Rainscreen Board* typically exceeds 100 kPa at 10% compression, when tested to BS EN 826: 1996.

The thermal conductivities (λ -values) of *Kingspan Kooltherm® K15 Rainscreen Board* detailed below is quoted in accordance with BS EN 13166: 2008:

- 0.023 W/m·K (insulant thickness 15–24 mm);
- 0.021 W/m·K (insulant thickness 25–44 mm); and
- 0.020 W/m·K (insulant thickness \geq 45 mm).

Green Guide Rating

An Ecoprofile, certified by BRE Certification to the 2008 BRE Environmental Profiles Methodology, has been created for *Kingspan Kooltherm K15 Rainscreen Board®* produced at Kingspan Insulation's British manufacturing facilities. The BRE has assigned the product a 2008 Green Guide Summary Rating of A+.

Responsible Sourcing

Kingspan Kooltherm® K15 Rainscreen Board is manufactured under a management system certified to BS EN ISO 14001: 2004. The principle polymer components of the product are also manufactured under management systems certified to EN ISO 14001: 2004. *Kingspan Kooltherm® K15 Rainscreen Board*, produced at Kingspan Insulation's Pembroke manufacturing facility, is certified to BES 6001 'Very Good'.

Fire

Kingspan Kooltherm® K15 Rainscreen Board, and its rigid thermoset insulation core, are Class 0, as defined by the Building Regulations. The rigid thermoset insulation core achieves the best possible rating of < 5% smoke obscuration when tested to BS 5111: Part 1: 1974. When subjected to BS 8414: 2002, *Kingspan Kooltherm® K15 Rainscreen Board*, as tested, meets the criteria stated within BRE 135 and is therefore acceptable for use above 18 m in a specific construction, in accordance with the Building Regulations / Standards. Further details of the fire performance of Kingspan Insulation products may be obtained from the Kingspan Insulation Technical Service Department by emailing technical@kingspaninsulation.co.uk or telephoning +44 (0) 1544 387 382.

LABC System Approval

Kingspan Kooltherm® K15 Rainscreen Board has achieved an LABC System Approval as a thermal layer in rainscreen cladding systems

Durability

If correctly installed, *Kingspan Kooltherm® K15 Rainscreen Board* can have an indefinite life. Its durability depends on the supporting structure and the conditions of its use.



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