

Kingspan Therma™ Duct Insulation

DETAILED SPECIFICATION

Project:

Heat Loss / Gain:

Thickness:

Properties

Kingspan Therma™ Duct Insulation is faced on both sides with a low emissivity composite foil, autohesively bonded to the insulation core during manufacture.

The core of *Kingspan Therma™* Duct Insulation is a high performance rigid thermoset polyisocyanurate (PIR) insulant manufactured with a blowing agent that has zero Ozone Depletion Potential (ODP) and low Global Warming Potential (GWP).

The compressive strength of *Kingspan Therma™* Duct Insulation typically exceeds 140 kPa at 10% compression, when tested to BS / I.S. EN 826: 1996.

The thermal conductivities (λ -values) of *Kingspan Therma™* Duct Insulation detailed below are quoted in accordance with BS EN 14308: 2009:

0.022 W/m·K at -20°C mean
0.023 W/m·K at 10°C mean
0.023 W/m·K at 19°C mean
0.023 W/m·K at 25°C mean
0.026 W/m·K at 50°C mean
0.030 W/m·K at 80°C mean

Green Guide Rating

An Ecoprofile, certified by BRE Certification to the 2008 BRE Environmental Profiles Methodology, has been created for *Kingspan Therma™* Duct Insulation 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 Therma™ Duct Insulation 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 Therma™ Duct Insulation manufactured at Kingspan Insulation's British manufacturing facilities is certified to BES 6001 'Very Good'.

Waste

Product and packaging compatible for re-using, recycling, down-cycling or waste to energy may be collected by using the Kingspan Insulation Waste Collection Service; further details are available by emailing waste@kingspaninsulation.co.uk.

Fire

Kingspan Therma™ Duct Insulation, and its rigid thermoset insulation core, are Class 1, as defined by the Building Regulations.

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.

Durability

If correctly installed, *Kingspan Therma™* Duct Insulation can have an indefinite life. Its durability depends on the supporting structure and the conditions of its use.