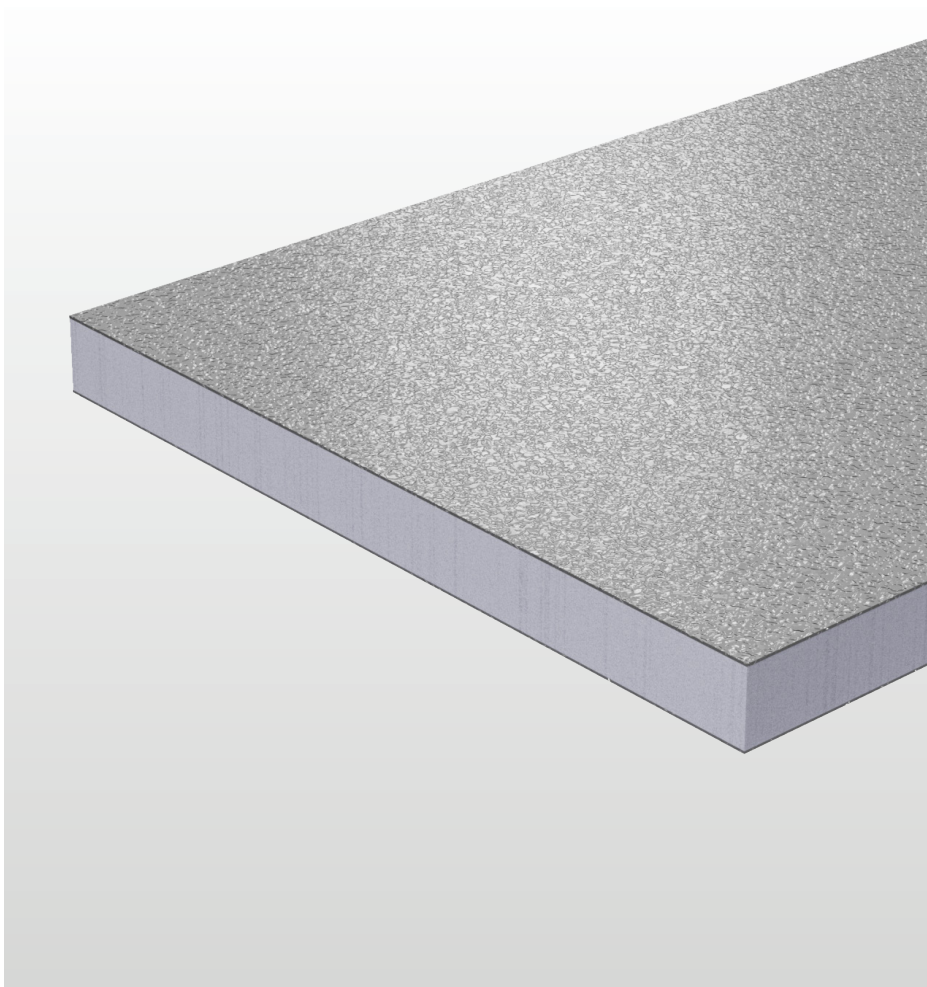


Insulation



Panel PIR-ALU[®] 35

Technical Data Sheet



- Rigid thermoset PIR insulation with thermal conductivity as low as 0.023W/(m.K) at 10°C mean temperature (EN 12667:2001) (in accordance with EN 13165: 2012 + A2: 2016)
- Class 0 reaction to fire (BS 476: Part 6: 1989 +A1: 2009 & BS 476: Part 7: 1997)
- Singapore Green Building Product Certified (Leader) (SGBP 3792)
- Manufactured with a blowing agent with zero ODP and low GWP.

Product Information

Product Description

Panel PIR-ALU 35 comprises of a fibre-free rigid thermoset polyisocyanurate (PIR) insulation core, faced on both sides with an embossed aluminium foil. The core is manufactured with a blowing agent that has zero ODP and low GWP.

Application Suitability

Panel PIR-ALU 35 is designed for use in building services / HVAC applications. It is suitable for both new build and refurbishment projects in the residential, commercial, public, light industrial and leisure sectors. It is especially suitable for use on high specification projects where insulants with a fibre-free core may be preferred, for instance:

- The food, beverage and pharmaceutical industries;
- Clean air and hygiene controlled environments;
- High relative humidity environments;
- Swimming pools;
- Non-ferrous applications; and
- Sterile areas of hospitals and
- Communication/server rooms in data centres.

Singapore Certificate of Conformity (SG CoC)

This product is approved for use in Singapore, according to the Singapore Civil Defence Force's (SCDF) requirements.

Auditors perform yearly tests on random samples to ensure continued fire performance, according to previously used tests.

Further details of the SG CoC listing for "PIRALU" are published on TUV SUD's Certifications Explorer at: <https://www.tuvsud.com/en-sg/services/product-certification/ps-cert>

To view the listing, search keyword "PIRALU". Read more about the SG CoC on the SCDF website, or contact us for clarifications.

Singapore Green Building Product

The SGBP certification scheme is one of the standards and benchmarks for building products in the building and construction industry. Products and materials certified by the SGBP are recognised under the Green Mark Scheme, Singapore's national green building rating tool, administered by the Building and Construction Authority (BCA).



The scheme allows certified products to accrue points that count towards a project's Green Mark rating. Higher rated products under the SGBP Scheme (i.e., achieving more ticks), are awarded more points towards Green Mark ratings.

The SGBP is also accepted by regional green building rating tools for its coverage of products' sustainability performance. Examples include GreenRE in Malaysia, and LOTUS, Vietnam Green Building Council's rating tool.

Source: Singapore Green Building Council

Further details of the SGBP listing for "PIR-ALU 35" are published on the Singapore Green Building Council's website at: <https://web.sgbc.online/public/product/search>

Technical Specifications

Property	Value	Test Standard
Product Dimensions (mm)	4000 x 1200 (For other dimensions, please contact the technical department)	-
Product Thickness (mm)	20 (For other thicknesses, please contact the technical department)	-
Aluminium Foil Finish	Embossed/ Embossed	-
Reaction to Fire	Class 0	BS 476: Part 6: 1989 +A1: 2009 BS 476:Part 7:1997
Thermal Conductivity at 10°C (W/(m.K))	0.023	EN 12667:2001 (in accordance with EN 13165: 2012 + A2: 2016)

Contact Details

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www.kingspan.com/sg/en/products/hvac-insulation/pre-insulated-duct/pir-alu-35

