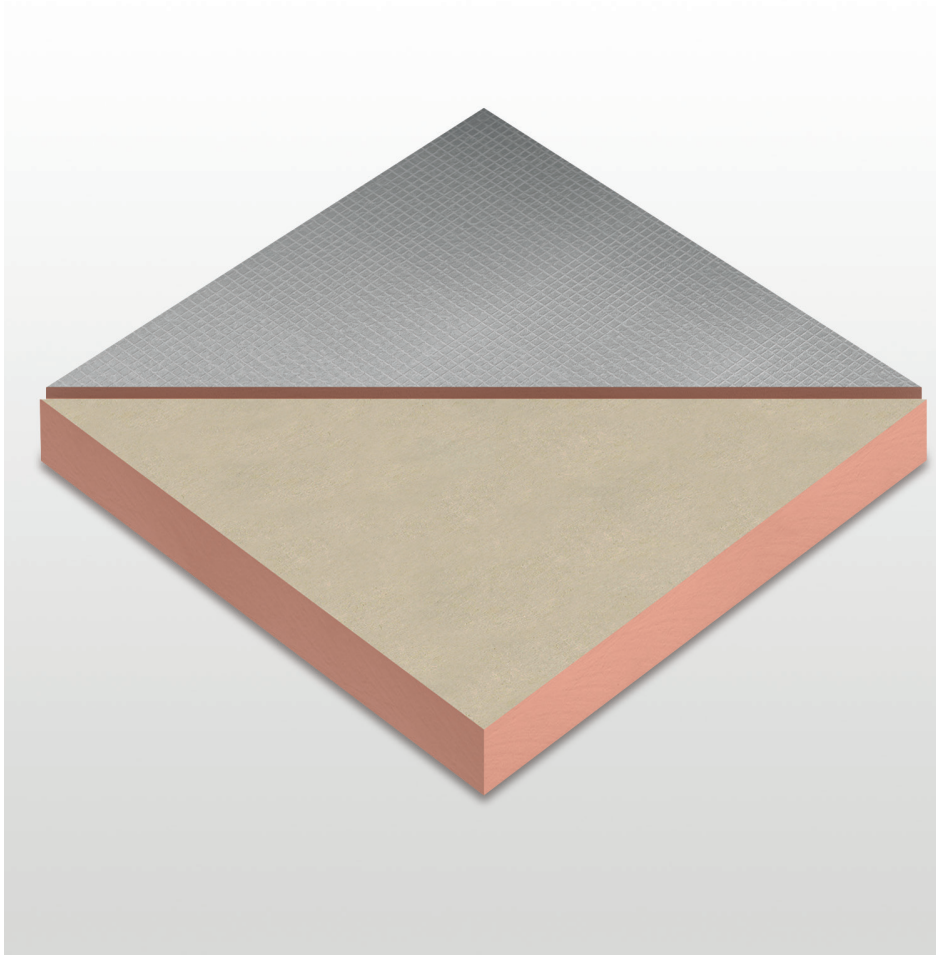


Insulation



Kooltherm® K10 G2 Soffit Board

Technical Data Sheet
Insulation Boards for Internal Linings (Ceilings)



- Rigid thermoset phenolic insulation with aged thermal conductivity as low as 0.022W/(m.K) at 23°C mean temperature (ASTM C518-17)
- Class 1 Surface Spread of Flame (BS 476:Part 7:1997)
- FM Approved to FM 4880 Examination Standard
- Group 2 NCC fire classification determined in a full room AS ISO 9705:2003 (R2016) test in accordance with AS/NZS 5637.1:2015
- Fibre-free insulation core
- Easy to handle and install
- Manufactured with a blowing agent that has zero ODP and low GWP

Fibre-free
Core




Kingspan®

Product Information

Product Description

Kingspan Kooltherm® K10 G2 Soffit Board comprises of a fibre-free rigid thermoset phenolic insulation core, faced on the upper side with a glass tissue based facing and on the exposed side with a perforated composite aluminium foil, both autohesively bonded to the insulation core during manufacture. The core is manufactured with a blowing agent that has zero ODP and low GWP.

General

Cutting

- Cutting should be carried out either by using a fine toothed saw, or by scoring with a sharp knife, snapping the board over a straight edge and then cutting the facing on the other side.
- Ensure accurate trimming to achieve close-butting joints and continuity of insulation.

Packaging and Storage

- The polyethylene packaging of Kingspan Insulation products should not be considered adequate for outdoor protection.
- Ideally, boards should be stored inside a building.

If, however, outside storage cannot be avoided, then the boards should be stacked clear of the ground and covered with an opaque polyethylene sheet or weatherproof tarpaulin. Boards that have been allowed to get wet should not be used.

Health and Safety

- Please refer to the Safety Data Sheet
- For more information contact Kingspan Insulation.

Warning – do not stand on or otherwise support your weight on this product unless it is fully supported by a load bearing surface.

Standards and Approvals

| Standard | System |
|----------------|---|
| ISO 9001:2015 | Quality Management |
| ISO 14001:2015 | Environmental Management |
| ISO 37301:2021 | Compliance Management |
| ISO 45001:2018 | Occupational Health and Safety Management |
| ISO 50001:2018 | Energy Management |

Technical Specifications

| Property | Value | Test Standard |
|--|--|----------------|
| Product Dimensions (L x W) (mm) | 2400 x 1200 2270 x 1200 | – |
| Product Thickness | Refer to Kingspan Insulation for current Stock and non-stock sizes | |
| Aged Thermal Conductivity at 23°C (W/(m.K)) (Insulant Thickness: 25 – 44mm) | 0.023 | ASTM C518-17 |
| Aged Thermal Conductivity at 23°C (W/(m.K)) (Insulant Thickness: ≥45mm) | 0.022 | ASTM C518-17 |
| Emittance (Foil Face) | 0.05 | ASTM C1371-15 |
| Compressive Stress at 10% Deformation (kPa) | ≥100 | AS 2498.3:1993 |

Product Information

Fire Performance

| Test | Value | Test Standard |
|---|--|--------------------------|
| Surface Spread of Flame | Class 1 | BS 476: Part 7:1997 |
| NCC Group Number | Group 2 Tested in accordance with AS/NZS 5637.1:2015 as required by NCC Amdt. 1 | AS ISO 9705:2003 (R2016) |
| SMOGR _{RC} | ≤ 100 m ² /s ² ×1000 | AS ISO 9705:2003 (R2016) |
| Ignitability, Flame spread, Heat release, Smoke release | Spread of Flame Index: 0 Smoke Development: ≤ 3 | AS 1530.3:1999 |

FM Approval

Kingspan Kooltherm K10 G2 Soffit Board is certified to Examination Standard FM 4880 for interior finish material solutions to ceilings. Thicknesses 25mm to 119mm are covered by the FM Approval.



Further details of the FM Approval listing for Kingspan Kooltherm K10 G2 Soffit Board are published on the FM Approvals Approval Guide website at: www.approvalguide.com

To view the listing, search Keyword(s): Kooltherm K10 G2. Please contact the Kingspan Insulation Technical Services department for further confirmation.

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 this product 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 for the certificate number: "Kooltherm K10 G2". Read more about the SG CoC on the SCDF website, or contact us for clarifications.

Contact Details

Asia Region

Kingspan Insulation Pte Ltd

1 Commonwealth Lane | #07-26/27 | Singapore 149544

T: (+65) 6653 2934

E: info@kingspaninsulation.asia

<https://www.kingspan.com/sg/en/business-groups/kingspan-insulation/>

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To ensure you are viewing the most recent and accurate product information, please visit this link:
www.kingspan.com/sg/en/products/building-insulation/interior-lining/kooltherm-k10-g2

