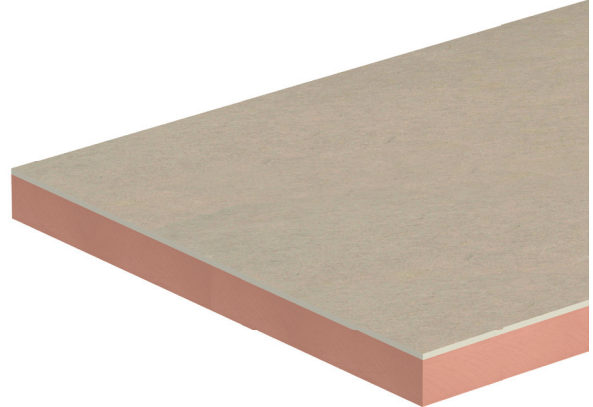
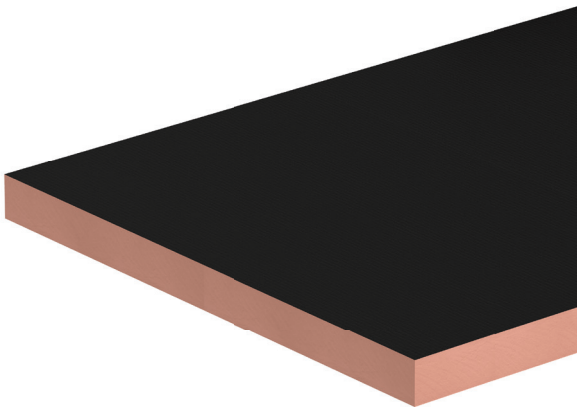
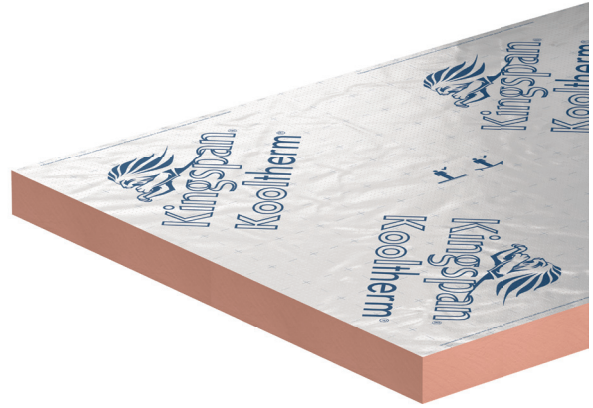
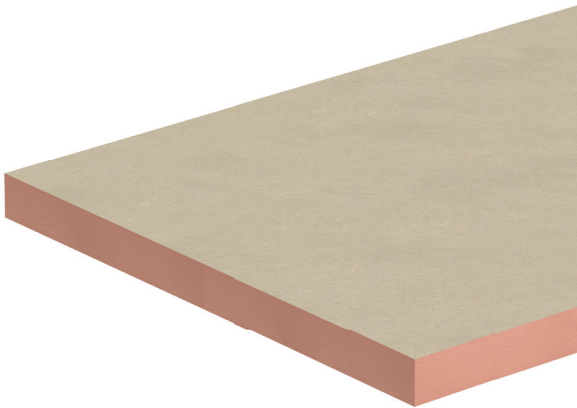


Insulation



# Product Safety Information

## Kooltherm<sup>®</sup> products



Fibre-free  
Core

  
**Kingspan**<sup>®</sup>

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# Product Safety Information

## Kooltherm® Products

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Although the REACH Regulation does not require a Safety Data Sheet to be provided for Kooltherm® products, as they are considered articles under the Regulation, this Product Safety Information Sheet has been prepared to reflect the primary SDS requirements as set out in Annex II to Regulation (EC) No 1907/2006 (REACH), and amended by Commission Regulation (EU) No 2015/830 as they might reasonably apply to articles. The sole purpose of this information sheet is to provide additional information.

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### Section 1: Identification of the products and company

#### Product identifier

- |                      |                    |
|----------------------|--------------------|
| ■ Kooltherm® K3      | ■ Kooltherm® K10   |
| ■ Kooltherm® K5      | ■ Kooltherm® K12   |
| ■ Kooltherm® K5 FR   | ■ Kooltherm® K15   |
| ■ Kooltherm® K7      | ■ Kooltherm® K15 C |
| ■ Kooltherm® K8      | ■ Kooltherm® K15 N |
| ■ Kooltherm® K8 C    | ■ Kooltherm® K17   |
| ■ Kooltherm® K8 Plus | ■ Kooltherm® K20   |

\* Safety Data Sheets of the accessories of the Kooltherm® K8 (Plus) are separately available.

#### Relevant identified uses

Thermal insulation products for buildings

#### Details of the Supplier of the Product Safety Information Sheet

Kingspan Insulation B.V.  
Lorentzstraat 1  
7102 JH Winterswijk  
The Netherlands

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# Product Safety Information

## Kooltherm® Products

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### Section 2: Hazards identification

- When used as intended, this product is classified as non-hazardous and there are no known toxic influences.
  - When the material is cut, long-term exposure to the dust may lead to irritation of the skin, eyes and lungs. Eye and respiratory protection is always recommended. During large/industrial scale cutting and/or transformation of the material, local regulations regarding occupational exposure limits (OEL) of volatile substances and (fine) dust must be monitored. Mechanical ventilation and dust extraction may be necessary.
  - In case of large/industrial scale cutting of the material, danger of electrostatic build-up exists and should be evaluated. The product is not classified as ecotoxic.
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### Section 3: Composition

#### Core

Rigid thermoset phenolic insulation (as defined in EN 13166).

#### Alternative Facings

- Reinforced foil complex: Kooltherm® K15, Kooltherm® K17.
  - Composite foil: Kooltherm® K8, Kooltherm® K8 C, Kooltherm® K12, Kooltherm® K15, Kooltherm® K15 C.
  - Glass tissue: Kooltherm® K3, Kooltherm® K5, Kooltherm® K5 FR, Kooltherm® K7, Kooltherm® K10, Kooltherm® K15 N, Kooltherm® K17, Kooltherm® K20.
  - Expandable: Kooltherm® K15 N.
  - Plasterboard: Kooltherm® K17.
- 

### Section 4: First aid measures

- Inhalation: Dust is non-hazardous, take the person to fresh air.
  - Skin contact: Non-sensitising. When glass facing is handled, skin irritation may occur. In the event that irritation occurs wash carefully using soap and water or a proprietary cleanser to remove.
  - Eye contact: Dust particles should be removed by flushing with clean water.
  - Ingestion: Drink plenty of water and rinse.
  - Other: Seek medical attention if discomfort persists.
- 

### Section 5: Firefighting measures

It is prudent to take precautions against ignition, fire spread and smoke hazard.

#### Extinguishing media

- Suitable extinguishing media: Water-based fire extinguishers (fog), foam, CO<sub>2</sub> or dry chemical.
- Unsuitable extinguishing media: Not applicable.

#### Advice for firefighters

Firefighters should use self-contained breathing apparatus and saturate burning foam with water from a spray nozzle. Sawdust is classified as weakly explosive (St. Class 1).

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### Section 6: Accidental release measures

Not applicable.

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# Product Safety Information

## Kooltherm® Products

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### Section 7: Handling and storage

- Keep contamination of workplaces as low as possible (e.g. to careful handling of products and waste).  
Store in original packing in a location free from any ignition hazard such as open flames, cutting and welding torches, high surface temperature electric heaters and other forms of direct radiant heat.
- Keep product protected from the elements. Ensure stability of stack and provide adequate aisle space for access between stacks.
- Keep in original packaging until ready for installation. All products should be stored inside a building or protected against weather influences and raised off the floor. Ensure stability of stacks and follow guidance instructions on packaging.

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### Section 8: Exposure controls/personal protection

- Inhalation: Dust is non-hazardous. As with all cutting procedures it is recommended that a disposable dust mask be worn. Masks of class FFP2 or better are recommended. Where dust is generated through mechanical cutting in confined spaces, it is recommended that extraction be used. It is recommended when non-mechanical cutting is carried out that the product is cut with a trimming knife to minimise the generation of dust.
- Hands: It is recommended that gloves be worn when handling the product. Materials combined with an aluminium sheet vapour barrier must be handled with gloves capable of protecting against cuts.
- Eyes: As with all cutting procedures it is recommended that eye protection be worn. When installing a product with reflective foil facings in very bright or sunny weather it is advisable to wear UV protective sunglasses or goggles.
- Skin: Non-sensitising. It is not necessary to wear gloves when handling the product. When installing a product with reflective foil facings in very bright or sunny weather it is advisable to consider skin protection from UV.
- Other: The products are non-load bearing. Access and work should not be carried out on unsupported boards. Be extremely careful and follow all safety precautions when you saw insulation boards by hand or with a machine.

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### Section 9: Physical and chemical properties

- Colour / appearance: Pink / peach / yellow / brown foam with reinforced foil complex, composite foil, glass tissue or plasterboard.
- Physical state: Solid
- Odour: Negligible.
- Melting point: Not applicable.
- Flash point: Not applicable.
- pH: Neutral under normal conditions.
- Insulation density: Typically 35 kg/m<sup>3</sup>.
- Solubility in water: Insoluble.
- Solubility in organics: Some liquids might cause swelling to the product.
- Other data: None.

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### Section 10: Stability and reactivity

Stable and inert during normal use (see section 7).

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### Section 11: Toxicological information

No known toxic effects when used normally and as intended. During large/industrial scale cutting and/or transformation of the material, local regulations regarding occupational exposure limits of volatile organic substances must be monitored. Mechanical ventilation and dust extraction may be necessary.

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### Section 12: Ecological information

The product is inert and stable in water and soil.

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# Product Safety Information

## Kooltherm® Products

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### Section 13: Disposal considerations

Waste insulation is non-hazardous and should be disposed of regularly in a designated location without grinding or powdering in accordance with local requirements and laws. Any product dust created in the installation process is regarded as nuisance dust only, because of its inert nature. It is important that the accumulation of waste insulation is avoided to prevent wind dispersal. Observe usual safety precautions with polythene bags, wrapping and packaging. Clean, undamaged product may be re-used. Insulation core waste is fully recyclable.

### Section 14: Transport information

Read this section in conjunction with section 7. Ensure security of load and where necessary sheeting/roping should be used. It is recommended that mechanical lifting equipment is used when moving bulk quantities of product in order to avoid serious physical injury.

### Section 15: Regulatory information

Properties according to EC directives

- EU classification: Not classified as hazardous according to EU criteria.
- EU symbol: N/A
- EU risk phrases: N/A
- EU precautionary statements: N/A

Read this section in conjunction with section 7. Ensure security of load and where necessary sheeting/roping should be used. It is recommended that mechanical lifting equipment is used when moving bulk quantities of product in order to avoid serious physical injury.

Labelling

- Kooltherm® is not a hazardous product according to EU standards.
- The product is not subject to labelling according to community directives.

National regulations

- Kooltherm® is not a hazardous product. There is no special danger upon contact with water.

### Section 16: Other information

- The information contained here is offered in good faith and is based on our current knowledge. We thereby withhold the right to update and amend this document as necessary.
- The information should not be taken as guarantee of specific performance and users should make their own assessment and make all applicable personnel aware accordingly.
- All chemical products can affect persons with a sensitive or allergic disposition, persons with such sensitivity should seek medical advice before handling the product.
- The wearing of appropriate safety equipment is strongly recommended as a precaution and the product should only be used in its design application.
- Users should visit our website [www.kingspaninsulation.eu](http://www.kingspaninsulation.eu) or contact the Kingspan Insulation Technical Service Department to ensure information is current.

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# Contact Details

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## Head Quarters Continental Europe


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The Netherlands

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