

MATERIAL SAFETY DATA SHEET

PRODUCT: **Thermarroof TR21**

Revision 3 - 06/11/2006



1. Identification of the substance/preparation and of the company/undertaking.

1.1 Identification

Kingspan Thermarroof TR21

1.2 Company

Kingspan Insulation Limited
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2. Composition/information on ingredients.

Facings: Perforated glass reinforced cellulose

Core: CFC/HCFC-free rigid urethane

3. Hazards identification.

Not classified as a hazardous material when handling or under normal use.

4. First-aid measures.

Inhalation: Remove the person to fresh air.

Skin: In the event that irritation occurs wash carefully using soap or a proprietary cleanser to remove.

Eyes: Dust particles should be removed by flushing with clean water.

Ingestion: Seek medical attention if discomfort persists.

5. Fire-fighting measures.

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

In fire situations beware of low visibility due to soot and avoid smoke inhalation. Smoke contains carbon monoxide and other gases which may be harmful to health if inhaled. If smoke or fumes are inhaled immediately seek fresh air and medical assistance.

Provide fire-extinguishing equipment at both storage and installation sites:

Suitable media - Waterspray (fog), Foam, CO₂ and Dry powder.

Un-suitable media - Not applicable.

Fire fighters should use self contained breathing apparatus and saturate burning foam with water from a spray nozzle.

6. Accidental release measures.

Not applicable

7. Handling and storage.

- (i) 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.
- (ii) Keep product protected from the elements and do not stack more than 2.5 metres in height. Ensure stability of stack and provide adequate aisle space for access between stacks.

8. Exposure controls/personal protection.

Inhalation: Dust is not normally a hazard unless mechanical cutting is used. Where dust is generated in confined spaces it is recommended that extraction be used. As with all cutting procedures it is recommended that eye protection and disposable dust mask complying with EN 149 FFP1 or FFP2 be worn. 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.

Man made mineral fibres are not classified under CHIP as hazardous, but are listed in the COSHH regulations with a maximum exposure limit of 5 mg/m³.

Hands: It is recommended that gloves be worn when handling the product.

Eyes: As with all cutting procedures it is recommended that eye protection be worn.

Skin: Glass fibre particles can be irritating to the skin and direct skin contact should be avoided. Use suitable protective clothing (e.g. long-sleeved garments) when handling.

Other: The product is non-load bearing in spanning applications. Access and work should not be carried out on un-supported boards.

9. Physical and chemical properties.

Appearance: Yellow foam with a dark grey finish to top and bottom.

Odour: Negligible

pH: Neutral

Melting point: Not applicable

Flash point: Not available - non flammable

Density: 32 kg/m³

Solubility: Insoluble

Other data: None

10. Stability and reactivity.

Stable and un-reactive during normal use (see section 7). The products core will dissolve when in contact with some solvents, particularly those containing methyl ethyl ketone.

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11. Toxicological information.

No information available at this time.

12. Ecological information.

The product is inert and stable in water and soil.

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 the requirements of Local Authorities and the Environmental Protection Act 1991. Any polyurethane 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.

Ensure polythene wrapping/packageing is kept away from children. Observe usual safety precautions with polythene bags.

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 provided and used when moving bulk quantities of product in order to avoid serious physical injury.

15. Regulatory information.

None currently known to apply.

16. Other information.

The information in this data-sheet 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 is intended to describe the product from a user safety viewpoint in accordance with the European Union Commission Directive 2001/58/EC.

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 strictly in accordance with the directions given.

Users should contact our technical services department to check that the information given is current and that new applicable safety legislation has not been introduced since the last update.

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