

Product Health & Safety Data Sheet (C.O.S.H.H.)

KINGSPAN INSULATED ROOF & WALL PANEL SYSTEMS

Data References

- Consumer Protection Act 1987
- Health and Safety at Work Act 1974
- Control of Substances Hazardous to Health (COSHH) Regulations 1988
- Environmental Protection Act 1991

Uses

The products are used for roof and wall cladding industrial and commercial buildings.

Refer to Kingspan installation instructions for use. To be used in accordance with approved practices and building regulations. If any other use is to be considered please contact Kingspan Technical Services.

Composition

Panels comprising coated steel or aluminium outer and liner sheets autoadhesively bonded to a rigid urethane core.

Health Hazards

Consideration of the composition of this product indicates that in normal use it does not present a health hazard. The reaction of the insulation core has no known toxic effects.

Fire Hazards

It is prudent to take precautions against ignition, fire 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 injurious to health if inhaled. If smoke or fumes are inhaled seek fresh air and medical assistance immediately.

Panel which may have been subjected to very high temperatures may lose their normal strength.

Storage, Handling and Use

The panels insulation core is a combustible product when exposed to a direct flame of sufficient intensity and therefore should be handled accordingly. Precautions must be taken to minimise the hazards in storage, handling and use. Good practices suggest the following precautions:

Storage

1. Store in a location free from any ignition hazard such as open flames, cutting and welding torches, high surface temperatures, electric heaters and other forms of direct radiant heat.
2. Do not stack more than 2.5 metres in height. Ensure stability of stack and provide adequate aisle space for access between stacks.
3. Store packs off the ground and on a slope, so that should rain water penetrate the wrapping water will drain away.

4. Support the packs evenly with bearers spaced at 2m. Bearers should always be placed one directly above another.

Installation

1. During the fixing operation or whilst handling, laceration of the skin is possible on the edge of the sheet.
2. Product is supplied in heavy bundles and injury may result from incorrect lifting or handling.
3. Cutting the product may cause flying swarf which could injure skin, particularly eyes. Cutting can also produce dust which can cause irritation if inhaled.
4. If hot working using flame or other ignition hazard must be done near exposed urethane core, the product should be protected with a heat resistant material.

Precautions

- Protective clothing particularly gloves should be worn to avoid skin lacerations.
- Eye protection should be used when cutting.
- Handling sheets and bundles should be in accordance with HSE recommendations.
- Do not use flame cutting equipment, blow lamps or any high temperature equipment or process near the panels.
- If subject to abnormally high temperatures ensure adequate ventilation.
- In a fire, breathing apparatus should be worn.

COSHH

Employers must ensure that there are measures in place that will control or limit the exposure of their employees to any substance hazardous to health.

Occupational Exposure Standards (O.E.S.) for nuisance dusts, e.g. urethane foam, are detailed in Health and Safety Executive Guidance Note EH 40 (current issue).

Further information on dust hazards may be obtained from EH 44/84 'Dust in the Workplace' - general principles of protection.

Disposal Precautions

Waste foam should be disposed of regularly in a designated location in accordance with the requirements of Local Authorities and the Environmental Protection Act 1991. It is important that the accumulation of waste foam is avoided to prevent wind dispersal. Packaging material is combustible. Store away from sources of ignition prior to disposal.

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