

# SPACE INSULATION

## Product Data



# Space Board

### Description

Space Board is a high performance, 100% ozone friendly, extruded polystyrene, rigid insulation board, produced 500 x 1200mm to coordinate with standard chipboard loft boards.

### Application

Space Board has been specifically designed and developed to provide thermal insulation (and in combination with chipboard decking) storage space, in the loft spaces of pitched roofs. Two layers of Space Board laid over boarded ceiling joists with 100mm Space Blanket or Space Loft Roll (formally known as Space Combi-Roll) between the joists, will achieve a U-value of 0.16 W/m<sup>2</sup>K.

Space Board, when installed in combination with chipboard decking provides a stable surface for storage in lofts whilst insulating at the same time.

Space Board gives the refurbishment user the option to use one layer or two layers of insulation.

### Standards

Space Board is manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000 and Product Standard EN 13164.

### Product Data

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m <sup>2</sup> K/W)	Minimum compressive strength (KPa)	Length (mm)	Width (mm)
52.5	0.029	1.80	200	1200	500

All dimensions are nominal.

### Performance

#### Thermal

Space Board has a thermal conductivity of 0.029 W/mK

### Benefits

- Lightweight yet high strength
- Sized to get through loft hatches
- Simple to fix
- Assists in achieving a U-value of 0.16 W/m<sup>2</sup>K
- Space Board is sized to be used with standard sized chipboard loft boards



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## Environmental

Space Board is free from CFCs, HCFCs and any other material with ozone depletion potential in its manufacture and content and represents no known threat to the environment. Space Board is 100% recyclable.

## Compression resistance

Space Board is highly resistant to compression, when used in combination with chipboard decking it offers the ideal thermal and storage solution for loft areas.

Space Board is capable of withstanding the applied point loading of the ceiling joists when loaded with storage items. Ceiling joists are not designed to take the loads normally associated with a floor, therefore, care must be taken to ensure the load imparted on the ceiling is not excessive. If you are in any doubt as to the condition and strength of the ceiling joists seek professional advice.

Note: Space Board should not be walked on, it is not designed to support a persons weight, unless covered or supported by a chipboard loft board.

## Moisture resistance

Space Board is highly resistant to moisture absorption.

## Fire performance

Space Board contains a fire retardant additive. When installed in a roof construction it will not contribute to the development stages of a fire.

## Compatibility with other materials

PVC insulated electrical cables should not be allowed to come into direct contact with the insulation in Space Board. Cables can simply be relocated so they lay on top of the finished chipboard deck. Do not lay Space Board on top of electrical cables.

## Handling and storage

Space board is easy to handle, no special protective clothing is required when installing the product. Space board is sized to be able to pass through standard sized loft hatches.

Space Board is supplied on pallets, labelled with identifying product and manufacturing data.

Ensure Space Board is not stored close to volatile compounds and chemicals such as solvents.

Space Board should not be left exposed to prolonged sunlight as this will result in surface degradation. Where outside storage for extended periods is required cover with opaque/light coloured sheeting.

[thinkinsulation.com](http://thinkinsulation.com)

Ref: SPD11909 Tel: 08700 619916 [www.space-insulation.com](http://www.space-insulation.com)

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