

Insulation



Kingspan **GreenGuard**[™] GG300

Insulation for Inverted Roofs, Basements, Car Park Decks and Heavy Duty Commercial, Industrial and Cold Store Flooring



- Rigid extruded polystyrene insulation
- High compressive strength
- Compatible with green roof systems
- Resistant to the passage of water vapour
- Easy to handle and install
- Ideal for new build and refurbishment

Fibre-free
Core




Kingspan[®]

Product Information

Product Description

Kingspan GreenGuard™ GG300 is a fibre-free rigid extruded polystyrene insulant and has a smooth, dense skin on both faces.

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, which is recyclable, 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 polythene sheet or weatherproof tarpaulin.
- Kingspan GreenGuard™ should not be left in the sun covered by either a transparent or a dark plastic sheet, since in both cases, board temperatures can build up to a level hot enough to appreciably alter their dimensions or warp them.

Health and Safety

- Please refer MSDS, 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 Approval

Kingspan GreenGuard™ GG300 is manufactured to the highest standards under a management system certified to ISO 9001: 2015 (Quality Management System), ISO 14001: 2015 (Environmental Management System), ISO 45001: 2018 (Occupational Health and Safety Management System) and ISO 37301:2021 (Compliance Management System)

Technical Specifications

Property	Result
General	
Product Thickness	Refer to Kingspan Insulation for current stock and non-stock sizes. 30 - 100mm are DCL approved thickness.
Board Length (mm)	1250
Board Width (mm)	600
Apparent Density (BS EN 1602: 2013)	28-36 Kg/m ³
Compressive Stress (EN 826:2013)	Typically exceeds 300 kPa @ 10% compression
Thermal	
Thermal Conductivity (ASTM C518:2021)	0.035 W/m.K at 23°C mean temperature

* Standard manufacturing tolerance may apply, for more information contact Kingspan Insulation technical service.

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