

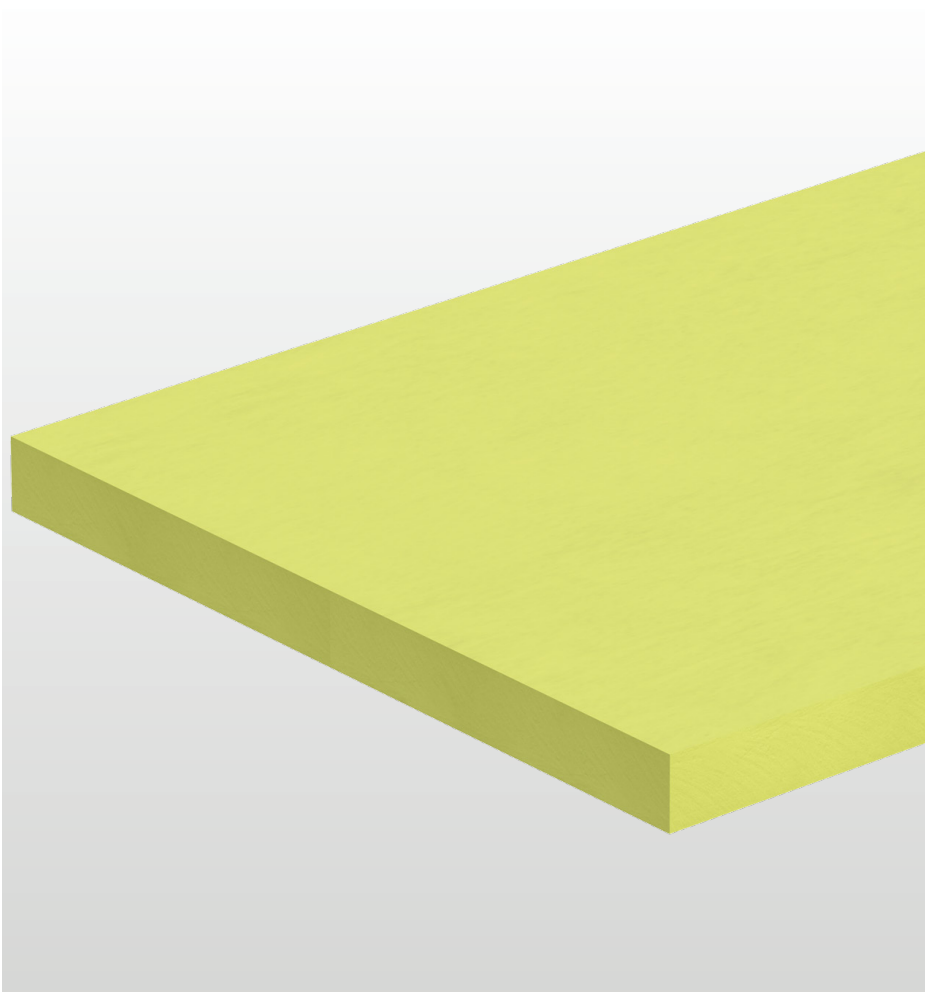
Insulation



Kingspan **GreenGuard**[®] GG500

Technical Data Sheet

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



- Rigid extruded polystyrene insulation with thermal conductivity as low as 0.039W/(m.K) at 23°C mean temperature (ASTM C518-21)
- Protects waterproofing membrane
- With compressive stress exceeding 500kPa at 10% deformation (AS 2498.3:1993)
- Compatible with green roof systems
- Easy to handle and install
- Ideal for new build and refurbishment
- Manufactured with a blowing agent that has zero ODP low GWP

Fibre-free
Core


Kingspan[®]

Product Information

Product Description

Kingspan GreenGuard® GG500 is a rigid extruded polystyrene insulant with a fibre-free core. The core is manufactured with a blowing agent that has zero ODP and low GWP.

General

Cutting

- Cutting should be carried out either by using a fine toothed saw, a hot wire system or by scoring with a sharp knife and snapping the board over a straight edge.
- Ensure accurate trimming to achieve close-butting joints and continuity of insulation.

Packaging and Storage

- The polyethylene packaging of Kingspan Insulation products 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.

Boards 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 board dimensions or cause warping.

Standards and Approvals

Kingspan GreenGuard GG500 is manufactured under a management system certified to ISO 9001:2015.

Technical Specifications

Property	Value	Test Standard
Product Dimension (L x W) (mm)	2270 x 600	-
Product Thickness (mm)	50	-
Thermal Conductivity at 23°C (W/(m.K))	≤ 0.039	ASTM C518-21
Compressive Stress at 10% Deformation (kPa)	≥ 500	ASTM D1621-16
Minimum Density (kg/m ³)	35	ASTM D1622-14

Contact Details

Asia Region

Kingspan Insulation Pte Ltd

1 Commonwealth Lane | #07-26/27 | Singapore 149544

T: (+61) 448 392 336

E: info@kingspaninsulation.asia

<https://www.kingspan.com/sg/en/business-groups/kingspan-insulation/>

© Kingspan and the Lion Device are Registered Trademarks of the Kingspan Group plc in Singapore, Malaysia, Vietnam, Thailand, the Philippines, and other countries. All rights reserved.

© GreenGuard is a Registered Trademark of the Kingspan Group plc in Singapore, Indonesia, Vietnam, S Korea, Philippines, and other countries. All rights reserved.

© Kingspan GreenGuard is a Registered Trademark of the Kingspan Group plc in China, Japan, and other countries. All rights reserved.

Kingspan Insulation Ltd is not associated with, and its products have not necessarily been tested by, the GREENGUARD Environmental Institute.

No rights can be derived from this document. Changes, typesetting and printing errors reserved.
This version replaces all previous versions.

Kingspan Insulation Pte Ltd reserves the right to amend product specifications without prior notice. The information, technical details and fixing instructions etc. included in this literature are given in good faith and apply to uses described. Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications and any applicable laws and regulations. For other applications or conditions of use, Kingspan Insulation offers a Technical Advisory Service the advice of which should be sought for uses of Kingspan Insulation products that are not specifically described herein.

To ensure you are viewing the most recent and accurate product information, please visit this link:
www.kingspan.com/sg/en/products/building-insulation/roof-insulation/kingspan-green-guard-gg500

