

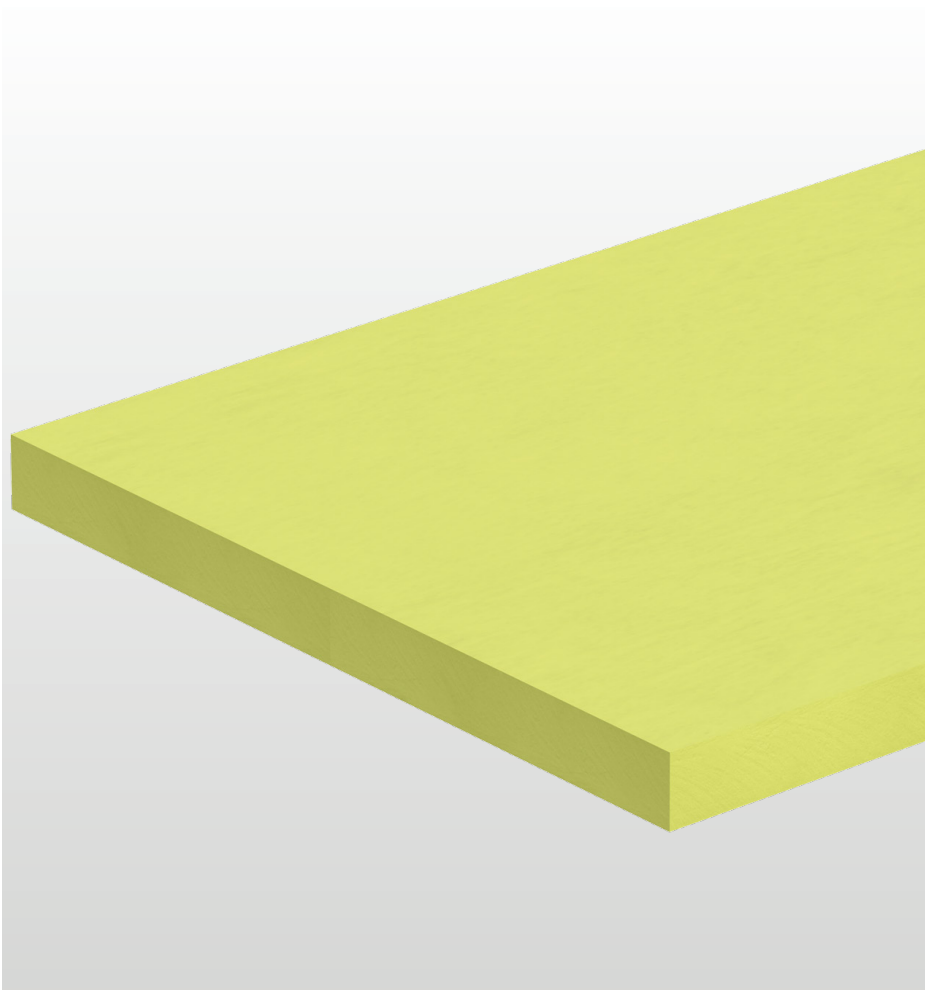
Insulation



Kingspan **GreenGuard**[®] GG700

Technical Data Sheet

Insulation Boards for 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
- Ideal for inverted flat roofs, car park decks and heavy-duty flooring
- To withstand vehicle loads and heavy duty storage; compressive stress exceeds 700kPa at 10% deformation (ASTM D1621-16)
- 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 GG700 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 polyethylene 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 GG700 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)	≥ 700	ASTM D1621-16
Minimum Density (kg/m ³)	40	ASTM D1622-20

Contact Details

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