



# GreenGuard® PB4 Protection Board

FOR USE ON FOUNDATIONS TO PROTECT THE WATERPROOFING MEMBRANE FROM DAMAGE WHEN BACKFILLING



- Protects the waterproofing membrane from backfill damage
- Lightweight
- Convenient fanfold configuration
- Easy to handle and cut
- Easy to apply



# GreenGuard® PB4 Protection Board

## Description

*Kingspan GreenGuard® PB4 Protection Board* comprises closed-cell extruded polystyrene (XPS) with tough plastic capsheets on both sides. It is configured in a convenient 4 ft x 50 ft bundle.

Its tough plastic capsheets resist puncturing and its high compressive strength and impact resistance withstand even the toughest load pressures.

Because it is made of extruded polystyrene (XPS), *Kingspan GreenGuard® PB4 Protection Board* has a dense, closed-cell construction that resists both moisture absorption and decomposition from long-term exposure to chemicals in the soil.

## Compliance

Intertek CCRR No. 1022;

CA BEARHFTI Lic. No. T 1506;

MN Dept. of Energy – Chapter 7640;

UL LLC® – See Classification Certificate A184.

## Handling & Storage

When stored outdoors, all product should be protected from exposure to direct sunlight using the original packaging or an opaque, light-colored tarp. Material that has been unwrapped should be covered or rewrapped.

WARNING: This product is combustible. A protective barrier or thermal barrier is required as specified in the appropriate building code. Protect it from exposure to open flame or other ignition sources during shipping, storage and installation.

## Health & Safety

*Kingspan GreenGuard® PB4 Protection Board* is made of synthetic materials that are generally recognized as not providing a food source for insects, fungus, mold, or mildew. It should always be properly installed and stored.

For more information on specific building product recommendations and installation guidelines, contact your Kingspan Insulation LLC representative.

For the most current product and compliance information go to [www.kingspaninsulation.us](http://www.kingspaninsulation.us).

*Kingspan Insulation LLC believes the information and recommendations herein to be accurate and reliable. However, since use conditions are not within its control, Kingspan Insulation LLC does not guarantee results from use of such products or other information herein and disclaims all liability from any resulting damage or loss. No warranty, express or implied, is given as to the merchantability, fitness for particular purpose, or otherwise with respect to the products referred to.*

## Product Data

Property	Test Method	Value
General		
Nominal Thickness (in)		¼
Nominal Bundle Dimensions (ft)		4 x 50 fanfold
Water Vapor Permeance (perm)	ASTM E 96 (Desiccant Method)	0.6
Water Absorption, Max. (% by volume)	ASTM C 272	0.6
Compressive Strength, Min. (psi@10% deflection)	ASTM D 1621	16
Recommended Service Temp., Max. (°F)		165
Weight (lb/1000 ft <sup>2</sup> )		80
Thermal		
Thermal Resistance, R-value <sup>1</sup> (°F-ft <sup>2</sup> -hr/Btu)	ASTM C 518 (@75°F Mean Temperature)	1.0
Fire & Smoke		
Flame Spread <sup>2</sup>	ASTM E 84 / UL 723	40 (Class A)
Smoke Developed <sup>2</sup>		400

<sup>1</sup> Specimens were aged and tested in accordance with FTC Rule (16 CFR, Part 460) and ASTM C 578.

<sup>2</sup> These numerical flame spread and smoke developed ratings are not intended to reflect hazards presented by this material under actual fire conditions. All applicable building codes must be followed.



### Kingspan Insulation LLC

2100 RiverEdge Parkway, Suite 175, Atlanta, Georgia 30328  
info@kingspaninsulation.us

1-800-241-4402

[www.kingspaninsulation.us](http://www.kingspaninsulation.us)  
[www.kingspaninsulation.ca](http://www.kingspaninsulation.ca)

® Kingspan, the G Device and the Lion Device are Registered Trademarks of the Kingspan Group plc in the US, Canada and other countries. All rights reserved.

® GreenGuard is a Registered Trademark of the Kingspan Group plc in the US. All rights reserved.