

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, easy to install
- Convenient fanfold configuration

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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;
UL Listings - R11183

Handling & Storage

When stored outdoors, XPS should be protected from exposure to direct sunlight using the original packaging or an opaque, light-colored tarp. XPS that has been unwrapped should be covered or rewrapped. XPS left exposed should be covered within 60 days to minimize UV damage. Once the exposed XPS is covered, the damage stops and is limited to the thin layer of cells on the surface that was exposed to the UV. XPS cells below the UV exposed surface layer are generally undamaged and the XPS overall performance remains intact.

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 detailed safe handling and safety information, refer to the product SDS.

Product Data		
Property	Test Method	Result
General		
Thickness (in)		1/4
Nominal Bundle Dimensions (ft)		4 x 50 fanfold
Water Absorption, Max. (% by volume)	ASTM D2842	1.18
Recommended Service Temp., Max. (°F)		165
Weight (lb/1000 ft²)		79
Thermal		
Thermal Resistance, R-value¹ (°Fft²·hr/Btu)	ASTM C518 (@75°F Mean Temperature)	1.0
Fire & Smoke		
Flame Spread² Smoke Development²	ASTM E84/UL 723	40 400

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

² 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.

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

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Please scan the QR code for the most recent product information.

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