



## GreenGuard® Siding Underlayment

### Choose the Nation's Leading Brand of Siding Underlayments

When you're installing siding, you need the right underlayment to achieve a smooth, even finish. You also have a great opportunity to add energy efficiency and moisture resistance to the home. The best way to accomplish all of this is to use a *Kingspan GreenGuard®* Extruded Polystyrene (XPS) Underlayment. Because XPS is a synthetic material, it does not absorb moisture and is not a food source for mold. Plus it's lightweight and durable, so it cuts easily without crumbling, lays flat, and handles better than anything else on the market. All this helps make your customers happier and saves you time and money. Use *Kingspan GreenGuard®* for the best siding job possible. Your *Kingspan GreenGuard®* Siding Underlayment can be printed with your logo and contact information to promote your business.

#### *Kingspan GreenGuard®* XP-Series Siding Underlayment

- The choice for the very best fanfold underlayment available
- Flexible plastic facers on both sides enhance durability; optional perforated reflective facer enhances thermal performance
- Superior stiffness for the smoothest finish
- Perforated to allow moisture vapor to escape
- Cut-and-fold hinge design ensures it lays flat



#### *Kingspan GreenGuard®* P-Series Siding Underlayment

- The choice for fundamental performance
- Flexible plastic facers on both sides enhance durability; optional perforated reflective facer enhances thermal performance
- Perforated to allow moisture vapor to escape
- Cut-and-fold hinge design ensures it lays flat



#### *Kingspan GreenGuard®* Q-Series Siding Underlayment

- The choice for most economical fanfold underlayment
- Multi-layered XPS is perforated to allow moisture vapor to escape
- Provides an excellent, level nailing surface so new siding is easy to install



#### *Kingspan GreenGuard®* DC14 Drainage Mat

- The choice for advanced moisture management
- Drainage channels create continuous space on both sides of the underlayment, allowing water and air to move freely
- Helps protect walls from moisture damage, especially when applied behind siding that is fastened tightly to the wall
- Effective with fiber cement, wood, and foam-backed vinyl, and behind stucco and stone veneers
- Meets the requirements of a water-resistive barrier when installed following WRB instructions



#### *Kingspan GreenGuard®* XPS Insulation Board

- The choice for highest thermal performance
- R-value of 5.0 per inch of thickness provides excellent energy efficiency
- Water absorption of only 1/10% by volume



# GreenGuard® Siding Underlayment

## Product Data

	Kingspan GreenGuard® Type IV XPS Insulation Board										Kingspan GreenGuard® DC14 Drainage Board Fanfold Bundle		
	Square Edge					Shiplap Edge							
Nominal Board Dimensions (ft)	2 x 8		4 x 8			2 x 8		4 x 8			4 x 48		
Nominal Thickness (in)	½	1	½	¾	1	½	¾	1	½	1	¼		
Thermal Resistance, R-value <sup>1</sup> (°F.ft².hr/Btu)	ASTM C 518 (@75° F Mean Temperature)		3.0	5.0	3.0	3.8	5.0	3.0	3.8	5.0	3.0	5.0	1.0

  

	Kingspan GreenGuard® XP Series Siding Underlayment		Kingspan GreenGuard® XFP Series Siding Underlayment		Kingspan GreenGuard® P Series Siding Underlayment		Kingspan GreenGuard® Q Series Siding Underlayment		Kingspan GreenGuard® FQ Series Siding Underlayment		
	Nominal Board Dimensions (ft)	4 x 50 Fanfold		4 x 50 Fanfold		4 x 50 Fanfold		4 x 48 Fanfold		4 x 48 Fanfold	
Nominal Thickness (in)	¼	⅜	¼	⅜	¼		0.20	0.30	0.20	0.30	
Thermal Resistance, R-value <sup>1</sup> (°F.ft².hr/Btu)	ASTM C 518 (@75° F Mean Temperature)		1.0	1.5	3.0 <sup>2</sup>	3.6 <sup>2</sup>	1.0	0.9	1.1	2.9 <sup>2</sup>	3.1 <sup>2</sup>

<sup>1</sup> Specimens were aged and tested in accordance with FTC Rule (16 CFR, Part 460) and ASTM C578.

<sup>2</sup> System R-values are calculated in accordance with the "ASHRAE Handbook of Fundamentals" using a ½" uniform, parallel dead air space. The R-values of these products installed without an air space are 1.0 (¼"), 1.5 (⅜"), 0.9 (0.20") and 1.1 (0.30").

## Taping Seams

Taping seams of Kingspan GreenGuard® Siding Underlayment improves the water-resistance and resistance to air-infiltration. Kingspan GreenGuard® Seam Tape is designed specifically to adhere to extruded polystyrene (XPS) and building wrap. It is available in widths of 1 7/8" for most applications and 3" for uneven surfaces such as drainage channels.

## Compliance

Intertek CCRR 1022;  
 CA BEARHFTI Lic. No. T 1506;  
 Florida Product Approval – No. FL14164-R5;  
 CCMC 12722-L;  
 MN Dept. of Energy – Chapter 7640;  
 UL LLC – See Classification Certificate A184;  
 UL LLC - See Classification Certificate A183 (½" and ¾" XPS).

## 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:** Kingspan GreenGuard® Siding Underlayment is combustible. A protective barrier or a 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® Siding Underlayment 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.

Kingspan GreenGuard® Siding Underlayment should not be used

LS-SID 1806



as an exposed interior surface in buildings where people can be expected to be present. An approved fire protection barrier, such as ½" gypsum wallboard or equivalent, should be applied between these products and the interior of such buildings. Fire and building codes should be followed.

All assemblies should be evaluated for effectiveness and location of vapor retarders to avoid condensation and subsequent damage to structures (ASHRAE Handbook of Fundamentals). Since foam sheathings are non-structural, they must be installed over adequately braced framing in accordance with local building codes.

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.



### 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.