

# GreenGuard®

## HPW™ Building Wrap

### Submittal

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Job Reference

Job Name

Job Location

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Submitted By

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Submitted By

Date

Phone

Date

Phone

### Introduction

Kingspan GreenGuard® HPW™ Building Wrap is a non-woven building wrap with a breathable polyolefin coating that performs as both a water-resistive barrier and as an air barrier in accordance with the International Building, Residential and Energy Codes.

It is an excellent secondary weather barrier that helps deflect water and wind-driven rain, yet is designed to breathe to assist trapped moisture vapor to escape, helping walls dry faster.

Kingspan GreenGuard® HPW™ Building Wrap is non-perforated, providing superior resistance against the rain before the siding goes on and against water that seeps through the siding after installation. Kingspan GreenGuard® HPW™ Building Wrap is UV resistant up to 6 months.

- E2556 Type II weather barrier
- Non-woven construction
- Air barrier
- Water-resistive barrier
- Breathes to allow moisture vapor to escape

### Compliance

Intertek CCRR-1018 for IBC, IECC and IRC Compliance;  
DrJ Engineering TER No. 1407-05 (NFPA 285);  
ASTM E2178 – Air Permeance (Air Barrier Materials);  
ASTM E2556, Type II – Standard specification for vapor permeable flexible sheet water-resistive barriers intended for mechanical attachment;  
AC 38 – Acceptance Criteria for Water-Resistive Barriers;  
CCMC 14124-R- Sheathing Membrane;  
CCMC 14143-R- Air Barrier Material.

# GreenGuard<sup>®</sup> HPW<sup>™</sup> Building Wrap

## 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<sup>®</sup> HPW<sup>™</sup> Building Wrap 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.



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

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## Product Data

Property	Test Method	Value
General		
Nominal Thickness (in / mils)		0.017 / 17
Nominal Width (ft)		9 / 10
Tensile Strength (MD / TD) <sup>1</sup> (lb/in)	ASTM D5034	50 / 40
Water Resistance (minutes)	ASTM D779	>90
Water Penetration Resistance (CM H <sub>2</sub> O)	AATCC 127	>400
Water Vapor Permeance (perm)	ASTM E96 (Desiccant Method)	24
Trapezoid Tearing Strength (MD / TD) <sup>1</sup> (lbf)	ASTM D4533	9 / 20
Water Vapor Transmission Rate g/(m <sup>2</sup> -24hr)	ASTM E96 (Desiccant Method)	170
Air Permeance (L/(s·m <sup>2</sup> ) @ 75 Pa) (cfm/ft <sup>2</sup> @1.57 psf)	ASTM E2178	0.002 0.000
Fire & Smoke		
Flame Spread <sup>2</sup> Smoke Developed <sup>2</sup>	ASTM E84	0 (Class A) 75

<sup>1</sup> Machine Direction / Cross Direction.

<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.

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

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