



# GreenGuard® RainArmor™ Building Wrap

FOR USE AS AN AIR BARRIER, WATER-RESISTIVE BARRIER IN CONSTRUCTION ENVIRONMENTS WHERE OPTIMUM BARRIER PERFORMANCE IS REQUIRED



- Drainage wrap
- Exclusive patented weather channeling technology and breathability
- Air barrier
- Premium UV performance
- Strong and durable



**Kingspan®**  
Insulation

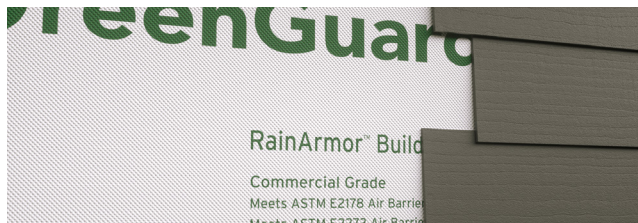
# GreenGuard® RainArmor™ Building Wrap

## Description

Kingspan GreenGuard® RainArmor™ Building Wrap is a non-woven drainage building wrap approved for residential and commercial buildings 4 stories and below. It prevents the penetration of water and channels water away from your structure, while providing a breathable barrier technology that will help protect the building.

Kingspan GreenGuard® RainArmor™ Building Wrap has a tough barrier layer that helps prevent water penetration and assists with maintaining dry building structure. It has a patented breathable barrier technology that allows water vapor to escape from the structure. The barrier can be maintained over time, from installation to extended use, due to excellent resistance to tears, abrasion and punctures.

Kingspan GreenGuard® RainArmor™ Building Wrap is non-perforated, does not snag with nails, tools or equipment and is UV resistant up to 6 months.



## Compliance

Intertek CCRR-1018 for IBC, IECC and IRC Compliance;  
ASTM D 226, Type I (Specification for Building/Roofing Paper);  
ASTM E 2178 – Air Permeance (Air Barrier Materials);  
AC 38 – Acceptance Criteria for Water-Resistive Barriers;  
HUD/FHA UU-B-790a – Equivalent to Grade D/Type 15 Building Paper;  
CCMC 13280-R- Sheathing Membrane;  
CCMC 13290-R- Air Barrier Material.

## 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® RainArmor™ 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.



## Product Data

Property	Test Method	Value
General		
Nominal Thickness (in / mils)		0.033 / 33
Nominal Width (ft)		9 / 10
Weight (lb/1000 ft <sup>2</sup> )	ASTM D 3776	22.5
Tensile Strength (MD / TD) <sup>1</sup> (lb/in)	ASTM D 5034	51 / 40
Water Resistance (minutes)	ASTM D 779	> 60
Water Penetrator Resistance (CM H <sub>2</sub> O)	AATCC 127	> 450
Trapezoid Tearing Strength (MD / TD) <sup>1</sup> (lbf)	ASTM D 4533	11 / 19
Drainage Efficiency	ASTM E 2273	> 98%
Water Vapor Permeance (perm)	ASTM E 96 (Desiccant Method)	15
Air Permeance (L/s/m <sup>2</sup> @ 75 Pa) (cfm/ft <sup>2</sup> @1.57 psf)	ASTM E 2178	≤ 0.02 ≤ 0.004
Fire & Smoke		
Flame Spread <sup>2</sup> Smoke Developed <sup>2</sup>	ASTM E 84	≤ 25 (Class A) ≤ 450

<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.

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

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