

# GreenGuard<sup>®</sup>

## DC14 Drainage Mat

Provides for drainage in rainscreen wall assemblies to protect walls from moisture damage.



- Virtually unrestricted drainage and drying
- Allows air movement for drying
- Drainage channels on both sides

# GreenGuard®

## DC14 Drainage Mat

### Description

Kingspan GreenGuard® DC14 Drainage Mat comprises ¼" thick closed-cell extruded polystyrene (XPS) thermoformed with contoured drainage channels on both sides.

Kingspan GreenGuard® DC14 Drainage Mat works in rainscreen wall assemblies to provide a path for water drainage and air movement between exterior cladding and wall sheathing.

Virtually unrestricted drainage and drying.

### Compliance

Intertek CCRR 1022;  
CA BEARHFTI Lic. No. T 1506;  
UL Listings - R11183

### Handling & Storage

When stored outdoors, DC14 should be protected from exposure to direct sunlight using the original packaging or an opaque, light-colored tarp. DC14 that has been unwrapped should be covered or rewrapped. DC14 left exposed should be covered within 60 days to minimize UV damage. Once the exposed DC14 is covered, the damage stops and is limited to the thin layer of cells on the surface that was exposed to the UV. DC14 cells below the UV exposed surface layer are generally undamaged and the DC14 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® DC14 Drainage Mat 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.

This product should not be used 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 this product 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).

**Kingspan Insulation LLC**  
2100 Riveredge Parkway | Suite 175  
Atlanta | Georgia 30328

T: +1 (800) 241 4402 F: +1 (678) 589 7325  
E: [info@kingspaninsulation.us](mailto:info@kingspaninsulation.us)  
[www.kingspaninsulation.us](http://www.kingspaninsulation.us)

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[kingspan-green-guard-dc14-product-data-sheet-en-us-ca-v5.1](#)

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Product Data		
Property	Test Method	Value
General		
Nominal Thickness (in)		¼
Nominal Bundle Dimensions (ft)		4 x 48 fanfold
Water Vapor Permeance (perm)	ASTM E 96 (Desiccant Method)	0.45
Water Absorption, Max. (% by volume)	ASTM C 272	0.46
Drainage Efficiency <sup>3</sup> (% water drained)	ASTM E 2273	93.0%
Weight (lb/1000 ft <sup>2</sup> )		54
Recommended Service Temp., Max. (°F)		165
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> Smoke Developed <sup>2</sup>	ASTM E 84 / UL723	40 400

<sup>1</sup> Specimens were aged and tested in accordance with FTC Rule (16CFR, 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.  
<sup>3</sup> Drainage testing was conducted in accordance with ASTM E 2273-03 using cementitious base coat as required for EIFS and adhered veneers. The Kingspan GreenGuard® DC14 Drainage Mat was installed over a water-resistive barrier / building wrap and the base coat was installed directly over the Kingspan GreenGuard® DC14 Drainage Mat, thus a drainage space was provided between the Kingspan GreenGuard® DC14 Drainage Mat and the building wrap.

To ensure you are viewing the most recent and accurate product information, please visit this link [kingspan.com/us/en/products/moisture-barrier/rainscreen/greenguard-dc14/](http://kingspan.com/us/en/products/moisture-barrier/rainscreen/greenguard-dc14/)

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

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