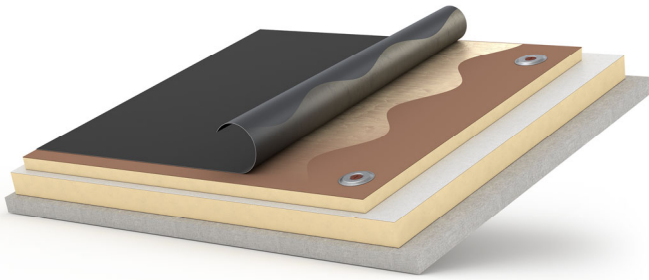




# RubberGard™ EPDM Adhered Membrane Concrete Deck

**Red Shield™  
Warranty Term  
Up to 30 Years, 55 mph**



- Elevate™ RubberGard Platinum EPDM Membrane
- Adhered with appropriate Membrane Adhesive
- Cover Board – Mechanically Attached or Adhered
  - Optional for Platinum P, Required for Platinum PH and Platinum PHW)
- Insulation – Mechanically Attached or Adhered
- Concrete Deck

**Consult Elevate Technical Specifications, Guides and Details at [www.HolcimElevate.com](http://www.HolcimElevate.com)**

**Slope Requirement:**

Positive drainage required for warranty.

**Construction Type:**

- New Construction       Complete Tear-off

**Building Height Limitation:**

Elevate RubberGard EPDM Adhered Systems are limited to buildings 250' (76.2 m) or less.

**Air Barrier:**

An air barrier is recommended for projects with large wall openings greater than 10% of the total wall area.

**Vapor Barrier:**

- V-Force™ and Thermal Barrier     V-Force w/o Thermal Barrier\*     4-6 mil poly

\*Thermal barrier required when using V-Force over a Steel Deck on FM Insured or FM Specified projects.

**Base Tie-Ins:**

Must be attached to substrates which provide a minimum of 200 lbf (1 kN) in any direction.

**Increased Wind Speed and Codes:**

Any wind speed coverage exceeding 55 mph (88 km/h) or projects with code requirements must be reviewed by a Holcim Regional Technical Coordinator.

**Deck Requirement:**

- Minimum 2,500 psi (17.2 MPa) Structural Concrete, min. 3" (76 mm) thick

**Insulation Fasteners and Plates:**

- Heavy Duty Fasteners and Insulation Plates     Concrete Drive Fastener and Insulation Plates  
 HailGard™ Fastener (with HailGard Composite Board or OSB only)

**Insulation Adhesive\*:**

- I.S.O. Twin Pack™       I.S.O. Spray™ R       I.S.O.Stick™       Twin Jet

\*NOTE: Max. 4' x 4' boards must be used when attaching insulation with adhesives. Cleaning of the metal deck may be required to remove processing oils.

**Insulation Adhesive Attachment:**

- Bead Spacing: F: 12", P: 6", C: 4"       Full Coverage

**Membrane Requirement:**

- RubberGard Platinum EPDM, 90 mil

**Seaming Requirement:**

3" QuickSeam™ Splice Tape and 5" QuickSeam Flashing OR 6" QuickSeam Splice Tape in side and end laps. QuickSeam Joint Covers are required at all exposed T joints and at angle changes 1:12 or greater.

**Elevate Membrane Adhesive:**

- Jet Bond Spray Adhesive       Single-Ply LVOC Bonding Adhesive       Single-Ply LVOC Bonding Adhesive-1168  
 EPDM Bonding Adhesive BA-2004(T)

**Elevate Factory Formed Edge Metal System:**

- Coping System (QS-EDGE METAL-901)       Fascia System (QS-EDGE METAL-902)  
 Water Control (QS-EDGE METAL-903)       Wood Nailer Alternative (QS-EDGE METAL-904)

**Non-Factory Formed Edge Conditions:**

- Elevate Drain Bar       Elevate Termination Bar       Elevate Approved Detail

**Substrate Attachment Rates for Standard 55 mph Wind Speed (Top Layer, 4' x 8' Board)**

| Thickness  | Substrate Material  | Minimum Fasteners |
|--|---|-------------------|
| <input type="checkbox"/> 1.0" - 1.4"   | <input type="checkbox"/> ISOGARD GL / ISO 95+ GL<br>or<br><input type="checkbox"/> ISOGARD CG / Resista   | 16                |
| <input type="checkbox"/> 1.5" - 1.9"   |   | 16                |
| <input type="checkbox"/> 2.0" - 4.0"   |   | 16                |
| <input type="checkbox"/> 1.5" - 1.9"   | <input type="checkbox"/> ISOGARD HG / HailGard Composite / <input type="checkbox"/> OSB / <input type="checkbox"/> Plywood (Plate and Fastener)   | 16                |
| <input type="checkbox"/> 2.0" - 4.0"   |   | 16                |
| <input type="checkbox"/> ISOGARD HG / HailGard Composite / OSB / Plywood (HailGard Fastener) |   | 16                |
| <input type="checkbox"/> ISOGARD HD Composite  |   | 16                |
| <input type="checkbox"/> ISOGARD HD Cover Board  |   | 16                |
| <input type="checkbox"/> 1/4"  | SECUROCK® Brand Gypsum-Fiber Roof Board   | 16                |
| <input type="checkbox"/> 1/2"  |   | 16                |
| <input type="checkbox"/> 5/8"  |   | 16                |
| <input type="checkbox"/> 1/4"  | DensDeck® Prime Roof Board  | 16                |
| <input type="checkbox"/> 1/2"  |   | 16                |
| <input type="checkbox"/> 5/8"  |   | 16                |
| <input type="checkbox"/> 5/8"  | DensDeck Prime StormX™ Roof Board   | 16                |
| <input type="checkbox"/> 1/4"  | DEXcell® Glass Mat Roof Board<br><b>NOTE:</b> Not for use with adhered membrane or insulation adhesives.<br>May be used as insulation layer or thermal barrier layer when fastened through. | 16                |
| <input type="checkbox"/> 1/2"  |   | 16                |
| <input type="checkbox"/> 5/8"  |   | 16                |
| <input type="checkbox"/> 1/4"  | DEXcell FA™ Glass Mat Roof Board  | 16                |
| <input type="checkbox"/> 1/2"  |   | 16                |
| <input type="checkbox"/> 5/8"  |   | 16                |
| <input type="checkbox"/> 7/16"   | DEXcell Cement Roof Board   | 16                |
| <input type="checkbox"/> 5/8"  |   | 16                |
| <input type="checkbox"/> 5/8"  | DEXcell FA VSH™ Glass Mat Roof Board  | 16                |

**NOTE:**

1. Only Elevate brand products are covered in a Red Shield Warranty.
2. Refer to the Elevate Technical Database at [www.HolcimElevate.com](http://www.HolcimElevate.com) for additional information regarding appropriate roof systems and roof system warranty requirements. Review appropriate details and installation requirements based on warranty term requested.
3. It is the installing contractor's responsibility to follow all applicable building codes.
4. Contact Holcim Technical Services for full warranty requirements.
5. DensDeck is a registered trademark of Georgia-Pacific Gypsum LLC, SECUROCK is a registered trademark of USG Corporation, Structodek is a registered trademark of Blue Ridge Fiberboard, Inc., and DEXcell is a registered trademark of National Gypsum Company.

Please contact Holcim Technical Services at 800-428-4511 for further information.

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