

ICC-ES Evaluation Report

ESR-3026

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This report also contains:

- [CA Supplement](#)

Subject to renewal April 2028

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<p>DIVISION: 07 00 00— THERMAL AND MOISTURE PROTECTION</p> <p>Section: 07 53 23— Ethylene-Propylene- Diene-Monomer Roofing</p>	<p>REPORT HOLDER: AMRIZE BUILDING ENVELOPE LLC</p> <p>ADDITIONAL LISTEE: GENFLEX ROOFING SYSTEMS, LLC</p>	<p>EVALUATION SUBJECT: ELEVATE RUBBERGARD EPDM SINGLE-PLY ROOFING MEMBRANES</p>	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2024, 2021, 2018, 2015, 2012, and 2009 [International Building Code® \(IBC\)](#)
- 2013 *Abu Dhabi International Building Code (ADIBC)*[†]

[†]The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Property evaluated:

- Weather resistance
- Fire classification
- Wind uplift resistance
- Impact resistance

2.0 USES

Elevate RubberGard EPDM single-ply roofing membranes are used as roof coverings in ballasted, adhered and mechanically fastened membrane roofing systems.

3.0 DESCRIPTION

3.1 General:

The Elevate RubberGard EPDM Membrane Roofing Systems described in this report consist of single-ply roofing membranes, insulation (where used), barrier board or slip sheet (where used), flashing, mechanical fasteners and adhesives that are installed on a combustible or noncombustible deck.

3.2 EPDM Membranes:

3.2.1 Elevate RubberGard LS-FR: Standard Elevate RubberGard LS-FR is a nonreinforced fire-resistant EPDM single-ply roofing membrane complying with ASTM D4637, available in nominally 45-mil (1.1 mm) or 60-mil (1.5 mm) thicknesses. The 45-mil-thick membrane weighs approximately 0.31 lb/ft² (1.5 kg/m²) and is available in rolls of various widths, 100 feet long (30.5 m). The 60-mil-thick membrane weighs approximately 0.43 lb/ft² (2.1 kg/m²) and is available in rolls of various widths, 100 feet long (30.5 m).

3.2.2 Elevate RubberGard LS-FR PT: Standard Elevate RubberGard LS-FR PT is a nominally 60-mil (1.5 mm) thick, nonreinforced fire-resistant EPDM single-ply roofing membrane complying with ASTM D4637,

with a pre-applied 3-inch or 6-inch-wide (76 or 152 mm), 0.035-inch-thick (0.9 mm) Quick Seam tape laminated along the length of the membrane. The membrane weighs approximately 0.31 lb/ft² (1.5 kg/m²) and is available in rolls of various widths, 100 feet long (30.5 m).

3.2.3 Elevate RubberGard MAX: Elevate RubberGard MAX is an internally-reinforced EPDM single-ply roofing membrane complying with ASTM D4637, available in nominally 45-mil (1.1 mm), 60-mil (1.5 mm) or 75-mil (1.9 mm) thicknesses. The 45-mil-thick membrane weighs approximately 0.32 lb/ft² (1.5 kg/m²) and is available in 100-foot-long by 7.5-foot- or 10-foot-wide (30.5 m by 2.3 or 3 m) rolls. The 60-mil-thick membrane weighs approximately 0.42 lb/ft² (2.0 kg/m²) and is available in 100-foot-long by 7.5-foot- or 10-foot-wide (30.5 m by 2.3 or 3 m) rolls. The 75-mil-thick membrane weighs approximately 0.52 lb/ft² (2.4 kg/m²) and is available in 100-foot-long by 7.5-foot- or 10-foot-wide (30.5 m by 2.3 or 3 m) rolls.

3.2.4 Elevate RubberGard MAX PT: Elevate RubberGard MAX PT is an internally-reinforced EPDM single-ply roofing membrane complying with ASTM D4637, available in nominally 45-mil (1.1 mm), 60-mil (1.5 mm) or 75-mil (1.9 mm) thicknesses, with a pre-applied 3-inch or 6-inch-wide (76 or 152 mm), 0.035-inch-thick (0.9 mm) Quick Seam tape laminated along the length of the membrane. The 45-mil-thick membrane weighs approximately 0.33 lb/ft² (1.6 kg/m²). The 60-mil-thick membrane weighs approximately 0.43 lb/ft² (2.1 kg/m²). The 75-mil-thick membrane weighs approximately 0.56 lb/ft² (2.7 kg/m²). Membranes are available in 100-foot-long by 7.5-foot- or 10-foot-wide (30.5 m by 2.3 or 3 m) rolls.

3.2.5 Elevate RubberGard Platinum: Elevate RubberGard Platinum is a nominally 90-mil (2.2 mm) thick, nonreinforced, EPDM single-ply roofing membrane complying with ASTM D4637. The membrane weighs approximately 0.56 lb/ft² (2.7 kg/m²) and is available in 50-foot- or 100-foot-long by 10-foot-wide (15.2 or 30.5 m by 3 m) rolls.

3.2.6 Elevate RubberGard EcoWhite: Elevate RubberGard EcoWhite is a nominally 60-mil (1.5 mm) thick, nonreinforced, bi-laminate, white-on-black, cured single ply roofing membrane complying with ASTM D4637. The membrane weighs approximately 0.43 lb/ft² (2.1 kg/m²) and is available in rolls of various widths, 100 feet long (30.5 m).

3.2.7 Elevate RubberGard EcoWhite Platinum: Elevate RubberGard EcoWhite Platinum is a nominally 90-mil (2.3 mm) thick, nonreinforced, bi-laminate, white-on-black, cured single ply roofing membrane complying with ASTM D4637. The membrane weighs approximately 0.61 lb/ft² (3.0 kg/m²) and is available in 100-foot-long by 10-foot-wide (30.5 m by 3 m) rolls.

3.2.8 Elevate RubberGard EPDM SA: Elevate RubberGard EPDM SA membrane is a nominally 60-mil (1.5 mm) thick, non-reinforced, self-adhered single-ply EPDM roofing membrane complying with ASTM D4637. The membrane weighs approximately 0.47 lb/ft² (2.1 kg/m²) and is available in rolls of various widths in 100-foot-long (30.5 m) lengths.

3.3 Insulation:

See [Tables 1](#) through [5](#) for insulations used with specific roofing systems. Foam plastic insulation, where used, must have a flame-spread index of not more than 75 when tested at the maximum thickness intended for use in accordance with ASTM E84. Polyisocyanurate and polystyrene foam plastic insulation must comply with ASTM C1289 and ASTM C578, respectively, and with Chapter 26 of the IBC.

3.4 Barrier board or Coverboard:

Barrier board or coverboard, when used, may be any of the following:

- Minimum 1/4-inch-thick (6.4 mm) G-P Gypsum Corporation DensDeck or DensDeck Prime.
- Minimum 1/2-inch-thick (12.7 mm) gypsum board, complying with ASTM C1396.
- 1/2-inch-thick (12.7 mm) Elevate ISOGARD HD or Elevate RESISTA.
- 1/2-inch-thick (12.7 mm) USG Corporation SECUROCK Gypsum Fiber Roof Board.

3.5 Fasteners:

Fasteners and stress plates used to attach barrier or cover boards, insulation boards and roofing membranes must be corrosion-resistant. Fasteners may be any of the Elevate insulation and membrane fasteners, plates and strips summarized in this section or noted in [Table 5](#).

3.5.1 Elevate All-Purpose Fasteners: An epoxy-coated steel screw used in combination with the Elevate Insulation Fastening Plate to attach roofing insulation and base sheets to steel and wood substrates. Fastener length must be sufficient to penetrate through the steel deck a minimum of 3/4 inch (19.1 mm), and into the wood deck a minimum of 1 inch (25.4 mm).

3.5.2 Elevate Heavy-Duty Fastener: An epoxy-coated steel screw used in combination with the Elevate Insulation Fastening Plates, Elevate Batten Strips, Seam Plates or Termination Bars to attach roofing insulation and base sheets to steel, wood and concrete decks. Fastener length must be sufficient to penetrate through the steel deck a minimum of $\frac{3}{4}$ inch (19.1 mm), and into the wood or concrete deck a minimum of 1 inch (25.4 mm).

3.5.3 Elevate Concrete Drive Fastener: A nonthreaded hammer-in fastener, epoxy-coated, used with Elevate Insulation Plates to attach roofing insulation, base sheets and other accessories to structural concrete substrates. Fastener length must be sufficient to penetrate into the concrete deck a minimum of $1\frac{1}{4}$ inch (32 mm).

3.5.4 Elevate Insulation Fastening Plate: A 3-inch-diameter (76 mm) galvalume plate used in combination with Elevate fasteners to secure insulation and base sheets to the roof deck.

3.5.5 Elevate Seam Plate: A 2-inch-diameter (50 mm), galvalume plate used in combination with Elevate All-Purpose, Heavy-Duty and Concrete Drive fasteners.

3.5.6 Elevate V-Plate: A 2.25-inch-diameter (57 mm), galvalume plate used in combination with Elevate All-Purpose, Heavy-Duty and Concrete Drive fasteners to secure Elevate RubberGard MAX and Elevate QuickSeam Strips.

3.5.7 Elevate Batten Strip: A corrosion-resistant, 10-foot-long by 1-inch-wide (3 m by 25.4 mm), galvalume metal batten strip with holes spaced 6 inches (152 mm) o.c.

3.5.8 Elevate Polymer Batten Strip: A corrosion-resistant polymer batten strip, with holes spaced 3 inches (76 mm) o.c., available in 250-foot-long by $\frac{3}{4}$ -inch-wide (76.2 m by 19.1 mm) rolls.

3.5.9 QuickSeam R.M.A. Strip: A 10-inch-wide (254 mm) Elevate RubberGard Max membrane with two 3-inch-wide (76 mm) strips of laminated tape on both sides along the length of the strip used to anchor membranes to the substrate.

3.6 Adhesives:

3.6.1 Elevate Water Based Bonding Adhesive (P) [WBBA (P)]: A contact adhesive designed for bonding Elevate RubberGard EPDM products to specific substrates as specified in the report holder's or additional listee's installation instructions. The adhesive is applied to both the substrate and the underside of the membrane with a coverage of approximately 100 to 120 ft² (9.3 to 11.62 m²) per gallon (3.78 L), total, for both the substrate and the membrane. See [Table 2](#) and [Tables 4A](#) through [4F](#) for the adhesive application rate for each specific system. Water Based Bonding Adhesive (P) is an alternative to Elevate solvent based bonding adhesives. The adhesive has a shelf life of one year when stored in unopened containers at temperatures between 60° F (16° C) and 80° F (27° C).

3.6.2 Elevate BA-2004 (T): Solvent-based, contact adhesives designed for bonding Elevate RubberGard EPDM membranes and flashings to wood, metal, masonry and other substrates as specified in the report holder's or additional listee's installation instructions. Either adhesive is applied to both the substrate and the underside of the membrane with a coverage of approximately 45 to 60 ft² (4.18 to 5.58 m²) per gallon (3.78 L), total, for both the substrate and the membrane. Each adhesive has a shelf life of one year when stored in unopened containers at temperatures between 60°F (16°C) and 80°F (27°C).

3.6.3 Single-Ply LVOC Bonding Adhesive: Solvent based, contact adhesives designed for bonding Elevate RubberGard EPDM membranes and flashings to wood, metal, masonry and other substrates as specified in the report holder's or additional listee's installation instructions. Either adhesive is applied to both the substrate and the underside of the membrane with a coverage of approximately 45 to 60 ft² (4.18 to 5.58 m²) per gallon (3.78 L), total, for both the substrate and the membrane. Each adhesive has a shelf life of one year when stored in unopened containers at temperatures between 60°F (16°C) and 80°F (27°C).

3.6.4 Single-Ply LVOC Bonding Adhesive 1168: Solvent based, contact adhesives designed for bonding Elevate RubberGard EPDM membranes and flashings to wood, metal, masonry and other substrates as specified in the report holder's or additional listee's installation instructions. Either adhesive is applied to both the substrate and the underside of the membrane with a coverage of approximately 45 to 60 ft² (4.18 to 5.58 m²) per gallon (3.78 L), total, for both the substrate and the membrane. Each adhesive has a shelf life of one year when stored in unopened containers at temperatures between 60°F (16°C) and 80°F (27°C).

3.6.5 Elevate EPDM Solvent Free Bonding Adhesive: A polymer based bonding adhesive for adhering non-reinforced Elevate RubberGard EPDM membranes to substrates on vertical and horizontal applications as specified in the report holder's or additional listee's installation instructions. The adhesive is applied to the

substrate only with a coverage of approximately 150 ft² (11.62 m²) per gallon (3.78 L). The adhesive has a shelf life of 12 months when stored in unopened containers at temperature between 60° F (16° C) and 80° F (27° C).

3.6.6 Elevate I.S.O. Twin-Pack Insulation Adhesive: A two-component, low-rise, polyurethane insulation adhesive designed for bonding roof insulations to deck substrate types as specified in the report holder's or additional listee's installation instructions. The components have a shelf life of one year when stored in unopened containers at temperatures between 60°F (16°C) and 80°F (27°C).

3.6.7 Elevate I.S.O. FIX II: A single-component, polyurethane adhesive designed for bonding of Elevate ISO 95+ GL, Fibertop, and DensDeck to substrates as specified in the report holder's or additional listee's installation instructions. The adhesive has a shelf life of 15 months when stored in unopened containers at temperatures between 50°F (10°C) and 75°F (24°C).

3.6.8 Elevate I.S.O. STICK: A two-component, low-rise polyurethane insulation adhesive designed for bonding insulations to specific deck substrate types as specified in the report holder's or additional listee's installation instructions. The components have a shelf life of 18 months when stored in unopened containers at temperatures between 60°F (16°C) and 80°F (27°C).

3.7 Surface Coating:

Elevate AcryliTop PC-100 is an acrylic coating that may be spray-applied in one coat or roller-applied using two coats. When spray-applied in one coat, the AcryliTop PC-100 has a coverage rate of approximately 100 ft² (9.3 m²) per gallon (3.78 L). For roller application, the Elevate AcryliTop PC-100 Base Coat is applied in one coat at a coverage rate of 200 ft² (18.6 m²) per gallon (3.78 L). The second coat of AcryliTop PC-100 is applied at a 100 ft² (9.3 m²) per gallon (3.78 L). The AcryliTop PC-100 has a shelf life of one year when stored in unopened containers at temperatures between 60°F (16°C) and 80°F (27°C).

3.8 Impact Resistance:

The Elevate RubberGard EPDM roofing membranes described in this report comply with the impact resistance requirements of 2024 IBC Section 1504.7 [2021 IBC Section 1504.8 (2018, 2015, 2012 and 2009 IBC Section 1504.7)] based on testing in accordance with Section 4.6 of FM 4470.

4.0 DESIGN AND INSTALLATION

4.1 General:

Installation of the Elevate RubberGard EPDM roofing membranes described in this report must comply with the applicable code, the report holder's or additional listee's published installation instructions and this report. The report holder's or additional listee's published installation instructions must be available on the jobsite at all times during installation.

The substrate to which the membrane is to be applied must be clean, dry, and free of frost, loose fasteners, and other protrusions or contaminants that will interfere with the adhesion or attachment of the membrane or that will puncture the membrane. All materials must be protected against contact with incompatible materials. Where gypsum board is used as barrier board in the roofing assembly, weather protection must be provided to prevent damage to the gypsum board prior to application of the roofing membrane.

The slope of the roof on which the single-ply membrane systems are installed must be a minimum of 1/4:12 (2 percent slope) and must not be more than the maximum slope indicated for the particular assembly as listed in [Tables 1](#) through [3](#).

Penetrations and terminations of the roof covering must be flashed and made weathertight in accordance with the requirements of the membrane manufacturer and Section 1503.2 of the IBC. Where flashing is of metal, the metal must be corrosion-resistant, minimum No. 26 gage [0.019 (0.483 mm)] galvanized steel.

4.2 Fire Classification:

4.2.1 New Construction: Roof covering systems described in [Tables 1](#) through [3](#), when installed in accordance with this report, are classified as Class A or B roof covering systems in accordance with ASTM E108 or UL 790.

4.2.2 Reroofing: The existing deck must be inspected to verify that the structure to be reroofed is structurally sound and adequate to support and secure the roofing membrane.

Class A, B, or C roof covering systems may be installed over existing classified roof covering systems under the following conditions provided the resulting classification is the lower of the new and existing roofing classification:

- New uninsulated systems installed only over existing uninsulated assemblies.
- New insulated systems installed over existing uninsulated systems only.

4.3 Wind Uplift Resistance:

4.3.1 New Construction: The allowable wind uplift pressures for the Elevate membrane roof covering systems described in the report are noted in [Tables 4](#) and [5](#). Metal edge securement for all roofing systems must be listed in accordance with 2017 edition (2024 and 2021 IBC), 2011 edition (2018 and 2015 IBC) or 2003 edition (2012 and 2009 IBC) of ANSI/SPRI ES-1 and designed and installed for wind loads in accordance with 2024 and 2021 IBC Section 1504.6 (2018, 2015, 2012 and 2009 IBC Section 1504.5) and IBC Chapter 16.

The ballasted membrane roof covering system in [Table 1](#) must comply with ANSI/SPRI RP-4.

4.3.2 Reroofing: Roof covering systems employing mechanical fasteners must be qualified to the satisfaction of the code official as to the adequacy of fasteners penetrating through existing roof coverings into structural substrates. Since the composition and/or condition of any particular underlying existing roofing material may vary widely, reroofing with adhered systems is outside the scope of this report.

5.0 CONDITIONS OF USE:

The Elevate RubberGard EPDM single-ply roofing membranes described in this report comply with, or are suitable alternatives to what is specified in the IBC, subject to the following conditions:

- 5.1 Installation of the roofing systems must comply with the IBC, the report holder's or additional listee's published installation instructions and this report. If there are any conflicts between the report holder's or additional listee's published installation instructions and this report, this report governs.
- 5.2 The roof covering systems must be installed only by applicators approved by Amrize Building Envelope LLC or Genflex Roofing Systems, LLC.
- 5.3 Foam plastic insulation must be separated from the interior of the building by an approved thermal barrier in accordance with IBC Section 2603.4.1.5.
- 5.4 Foam plastic insulation, where used, must bear the label of an approved agency indicating that the foam plastic has a flame-spread index of not more than 75 when tested at the maximum thickness intended for use in accordance with ASTM E84 or UL 723, subject to the approval of the code official.
- 5.5 Above-deck thermal insulation board must comply with the applicable standards listed in IBC Table 1508.2.
- 5.6 Design wind-uplift pressure on any roof area, including edge and corner zones, must not exceed the allowable wind pressure for the system installed in that particular area. Refer to the allowable wind uplift pressure for roof coverings as listed in [Tables 4](#) and [5](#).
- 5.7 The allowable wind uplift pressures listed in [Tables 4](#) and [5](#) are for the roof covering only. The deck and framing to which the roof covering is attached must be designed for the applicable components and cladding wind loads in accordance with the IBC.
- 5.8 Calculations demonstrating that the required wind resistance is less than the allowable wind resistance must be submitted to the code official.
- 5.9 When application is over existing roofs, documentation of the wind uplift resistance of the composite roof construction must be submitted to the code official for approval at the time of permit application.
- 5.10 The membranes are manufactured in Prescott, Arkansas under a quality-control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

Data in accordance with the [ICC-ES Acceptance Criteria for Membrane Roof covering Systems \(AC75\)](#), dated July 2010 (editorially revised April 2024).

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-3026) along with the name, registered trademark, or registered logo of the report holder [and/or listee] must be included in the product label.
- 7.2 Each roll of roofing membrane described in this report is identified with a label indicating the report holder's name (Amrize Building Envelope LLC) or the name of the additional listee (Genflex Roofing Systems, LLC) and the product name.

7.3 The report holder’s contact information is the following:

AMRIZE BUILDING ENVELOPE LLC
26 CENTURY BLVD, SUITE 205
NASHVILLE, TENNESSEE 37214
(800) 428-4442
elevatecommercialbp.com

7.4 The Additional Listee’s contact information is the following:

GENFLEX ROOFING SYSTEMS, LLC
26 CENTURY BLVD, SUITE 205
NASHVILLE, TENNESSEE 37214
(800) 443-4272
www.genflex.com

TABLE 1—FIRE CLASSIFICATION ASSEMBLIES – BALLASTED ROOFING SYSTEMS

SYSTEM NO.	ROOF CLASS	SUBSTRATE	MAX. ROOF SLOPE	INSULATION ^{2,3}	MEMBRANE ¹	SURFACING
1	A	Combustible or noncombustible	2:12	(Optional) Any UL- classified foam plastic insulation	Any Elevate RubberGard EPDM membrane	River-bottom stones at min. 1000 lbs/100 ft ² or concrete pavers at min. 10 lbs/ft ²

For SI: 1 inch = 25.4 mm

¹Membranes must be UL-classified for roofing systems.

²All foam plastic insulation must be UL-classified foam plastic for roofing systems, and must be limited to the maximum thickness noted in Section 5.4 of this report.

³Polyisocyanurate insulation must comply with ASTM C1289. Polystyrene insulation must comply with ASTM C578.

TABLE 2—FIRE CLASSIFICATION ASSEMBLIES – ADHERED ROOFING SYSTEMS (CONTINUED)

SYSTEM NO.	ROOF CLASS	SUBSTRATE ²	MAX. ROOF SLOPE	INSULATION ^{1,3}	BARRIER OR COVER BD. ⁴	MEMBRANE ⁴		SURFACING ⁴
						TYPE	ADHESIVE ⁴	
1	A	Combustible	1½:12	--	Min. ¼-inch-thick DensDeck or DensDeck Prime, mechanically fastened to deck	Elevate RubberGard EcoWhite	BA-2004 (T), EPDM Solvent Free Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or WBBA (P)	--
2	A	Noncombustible	¼:12	Min. 1-inch-thick, any UL- classified polyisocyanurate insulation, mechanically fastened to steel deck or adhered to concrete deck	--	Elevate RubberGard MAX, MAX PT or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) or Single-Ply LVOC Bonding Adhesive	--
3	A	Concrete	¼:12	Min. 1-inch-thick, any UL- classified polyisocyanurate insulation, adhered to deck	Min. ¼-inch-thick DensDeck or DensDeck Prime, adhered to insulation	Elevate RubberGard EPDM SA (when adhesive is not used)	-	--
4	A	Concrete	2:12	Same as System 3	Same as System 3	Elevate RubberGard Platinum	BA-2004 (T), EPDM Solvent Free Bonding Adhesive or Single-Ply LVOC Bonding Adhesive	---
5	A	Concrete	4½:12	Same as	Same as	Elevate	BA-2004 (T),	PC-100

TABLE 2—FIRE CLASSIFICATION ASSEMBLIES – ADHERED ROOFING SYSTEMS (CONTINUED)

SYSTEM NO.	ROOF CLASS	SUBSTRATE ²	MAX. ROOF SLOPE	INSULATION ^{1,3}	BARRIER OR COVER BD. ⁴	MEMBRANE ⁴		SURFACING ⁴
						TYPE	ADHESIVE ⁴	
				System 3	System 3	RubberGard Platinum	EPDM Solvent Free Bonding Adhesive or Single-Ply LVOC Bonding Adhesive	Coating
6	A	Noncombustible	1½:12	Same as System 2	--	Elevate RubberGard Platinum	BA-2004 (T), EPDM Solvent Free Bonding Adhesive or Single-Ply LVOC Bonding Adhesive	PC-100 Coating
7	A	Noncombustible	½:12	Same as System 2	--	Elevate RubberGard LS-FR, LS-FR PT, Platinum or EcoWhite	BA-2004 (T), EPDM Solvent Free Bonding Adhesive or Single-Ply LVOC Bonding Adhesive	
8	A	Concrete	½:12	Same as System 3	Same as System 3	Elevate RubberGard MAX or MAX PT	BA-2004 (T), EPDM Solvent Free Bonding Adhesive or Single-Ply LVOC Bonding Adhesive	--
9	A	Noncombustible	¾:12	Max. 4-inch-thick Elevate "ISO 95+GL", adhered or mechanically fastened to deck	--	Elevate RubberGard EcoWhite or EcoWhite Platinum	WBBA (P)	--
10	A	Noncombustible	1½:12	--	Min. ¼-inch-thick DensDeck or DensDeck Prime, mechanically fastened to deck	Elevate RubberGard EcoWhite or EcoWhite Platinum	BA-2004 (T), EPDM Solvent Free Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or WBBA (P)	--
11	A	Noncombustible	½:12	(Optional) Any UL- classified polyisocyanurate insulation	Min. ½-inch-thick Elevate "ISOGARD HD"	Elevate RubberGard LS-FR, MAX, Platinum or Elevate RubberGard SA (when an adhesive is not used)	BA-2004 (T), EPDM Solvent Free Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or WBBA (P)	(Optional) PC-100 Coating
12	A	Noncombustible	1:12	(Optional) Any UL- classified polyisocyanurate insulation	Same as System 12	EcoWhite	BA-2004 (T), EPDM Solvent Free Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or WBBA (P)	(Optional) PC-100 Coating
13	A	Noncombustible	2:12	(Optional) Any UL- classified polyisocyanurate insulation	Same as System 12	Elevate RubberGard Platinum	BA-2004 (T), Single-Ply LVOC Bonding Adhesive or WBBA (P)	PC-100 Coating
14	A	Combustible	½:12	(Optional) Max. 4-inch-thick Elevate "ISO 95+GL"	Min. 1-inch-thick Elevate "ISOGARD HD" or "RESISTA", adhered or	Elevate RubberGard LS-FR, MAX, Platinum or EcoWhite	BA-2004 (T), Single-Ply LVOC Bonding Adhesive or WBBA (P)	(Optional) PC-100 Coating

TABLE 2—FIRE CLASSIFICATION ASSEMBLIES – ADHERED ROOFING SYSTEMS (CONTINUED)

SYSTEM NO.	ROOF CLASS	SUBSTRATE ²	MAX. ROOF SLOPE	INSULATION ^{1,3}	BARRIER OR COVER BD. ⁴	MEMBRANE ⁴		SURFACING ⁴
						TYPE	ADHESIVE ⁴	
					mechanically fastened to deck			
15	A	Combustible	1/2:12	2-inch-thick, any UL- classified polyisocyanurate insulation, mechanically fastened to deck	--	Elevate RubberGard EcoWhite	BA-2004 (T), Single-Ply LVOC Bonding Adhesive or WBBA (P)	--
16	B	Combustible	1/2:12	(Optional) Max. 4-inch-thick Elevate "ISO 95+GL"	Min. 1/2-inch-thick Elevate "ISOGARD HD" or "RESISTA", adhered or mechanically fastened to deck	Elevate RubberGard LS-FR, MAX, Platinum or EcoWhite	BA-2004 (T), Single-Ply LVOC Bonding Adhesive or WBBA (P)	(Optional) PC-100 Coating
17	B	Noncombustible	1/2:12	Min. 1-inch-thick Elevate "ISO 95+ GL" (optional if a barrier board or coverboard is used)	-Min. 1/2-inch-thick RESISTA adhered or mechanically fastened to deck (optional if insulation is used)	Elevate RubberGard EPDM SA	Self-Adhered	-
18	A	Combustible	3:12	--	Min. 1/4-inch-thick DensDeck or DensDeck Prime, mechanically fastened to deck	Elevate RubberGard Platinum	BA-2004 (T) or Single-Ply LVOC Bonding Adhesive	(Optional) PC-100 Coating
19	A	Noncombustible	1:12	--	Min. 7/16-inch-thick OSB, mechanically fastened to deck	Elevate RubberGard EcoWhite or EcoWhite Platinum	BA-2004 (T) or Single-Ply LVOC Bonding Adhesive	--

Table 2 Notes:

For **SI**: 1 inch = 25.4 mm.

¹All foam plastic insulation must be UL-classified foam plastic for roofing systems, and must be limited to the maximum thickness noted in Section 5.4 of this report.

²Wood deck must be minimum ¹⁵/₃₂-inch-thick (11.9 mm) plywood. Steel deck must be minimum No. 22 gage galvanized steel [0.030 inch (0.76 mm)]. Concrete must have a minimum compressive strength (*f_c*) of 2500 psi. [minimum of 24MPa is required under ADIBC Appendix L, Section 5.1.1].

³Polyisocyanurate insulation must comply with ASTM C1289.

⁴Barrier or cover boards, adhesives, membranes and surface coatings must be UL-classified for roofing systems. See Section 3.6 for adhesive application rates.

TABLE 3—FIRE CLASSIFICATION ASSEMBLIES – MECHANICALLY FASTENED ROOFING SYSTEMS

SYSTEM NO.	ROOF CLASS	SUBSTRATE ²	MAX. ROOF SLOPE	INSULATION ^{1,3}	BARRIER OR COVER BD. ⁴	MEMBRANE ⁴	SURFACING ⁴
1	A	Noncombustible	1/2:12	(Optional) Any UL- classified polyisocyanurate insulation	Min. 1/2-inch-thick Elevate "ISOGARD HD" or "RESISTA"	Elevate RubberGard MAX	(Optional) PC-100 Coating
2	A	Noncombustible	1/2:12	(Optional) Max. 4-inch-thick Elevate "ISO 95+GL"	--	Elevate RubberGard LS-FR, Elevate RubberGard LS-FR PT or Platinum	--
3	B	Combustible	1/2:12	(Optional) Max. 4-inch-thick Elevate "ISO 95+GL"	Min. 1/2-inch-thick Elevate "ISOGARD HD" or "RESISTA"	Elevate RubberGard LS-FR, MAX, Platinum	(Optional) PC-100 Coating

For **SI**: 1 inch = 25.4 mm.

¹All foam plastic insulation must be UL-classified foam plastic for roofing systems, and must be limited to the maximum thickness noted in Section 5.4 of this report.

²Wood deck must be minimum ¹⁵/₃₂-inch-thick (11.9 mm) plywood. Steel deck must be minimum No. 22 gage galvanized steel [0.030 inch (0.76 mm)]. Concrete must have a minimum compressive strength (*f_c*) of 2500 psi. [minimum of 24MPa is required under ADIBC Appendix L, Section 5.1.1].

³Polyisocyanurate insulation must comply with ASTM C1289.

⁴Barrier or cover boards, membranes and surface coatings must be UL-classified for roofing systems.

TABLE 4A—WIND RESISTANCE – ADHERED ROOFING SYSTEMS – WOOD DECKS

SYSTEM NO.	DECK ³	INSULATION		COVER BOARD		MEMBRANE		ALLOWABLE WIND UPLIFT PRESSURE (psf)
		TYPE ^{1,2}	ATTACHMENT ¹	TYPE ¹	ATTACHMENT ¹	TYPE	ATTACHMENT ¹	
W-1	¹⁹ / ₃₂ -inch-thick plywood	--	--	¹ / ₂ -inch-thick DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	All-Purpose Fastener with Fastening Plate at 1 fastener per 1.6 ft ²	Elevate RubberGard EcoWhite or EcoWhite Platinum	BA-2004 (T) Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane	45
W-2	¹⁹ / ₃₂ -inch-thick plywood	2-inch-thick Elevate "ISO 95+GL"	Heavy-Duty Fastener with Insulation Fastening Plate at 1 fastener per 1.78 ft ²	--	--	Elevate RubberGard EcoWhite or EcoWhite Platinum	BA-2004 (T) Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane	45
W-3	¹⁵ / ₃₂ -inch-thick plywood	Optional ¹ / ₄ -inch-thick DensDeck Prime	I.S.O. STICK Adhesive in continuous ³ / ₄ - to 1-inch wide ribbons at 12 inches o.c.	Min. 1-inch thick "RESISTA" or "ISO 95+ GL"	I.S.O. STICK Adhesive in continuous ³ / ₄ - to 1-inch wide ribbons at 12 inches o.c.	Elevate RubberGard LS-FR, Elevate RubberGard EcoWhite, Elevate RubberGard MAX, Elevate or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T), Single-Ply LVOC Bonding Adhesive, Single-Ply LVOC Bonding Adhesive 1168, WBBA (P) or EPDM Solvent Free Bonding Adhesive at 60 ft ² per gallon to substrate and underside of membrane	45

For SI: 1 inch = 25.4 mm; 1 ft = 0.305 m; 1 psf = 47.88 Pa; 1 gal = 3.785 L.

¹Insulation, barrier boards, cover boards, vapor barriers, adhesives and fasteners must be FM-approved.

²All foam plastic insulation must be limited to the maximum thickness in accordance with Section 5.4 of this report or the maximum thickness in accordance with this table, whichever is less.

³Wood deck must be minimum ¹⁵/₃₂-inch-thick (11.9 mm) plywood. See Section 5.7 of this report.

TABLE 4B—WIND RESISTANCE – ADHERED ROOFING SYSTEMS - STEEL DECKS (CONTINUED)

SYSTEM NO.	DECK ³	INSULATION		COVER BOARD		MEMBRANE		ALLOWABLE WIND UPLIFT PRESSURE (psf)
		TYPE ^{1,2}	ATTACHMENT ¹	TYPE ¹	ATTACHMENT ¹	TYPE	ATTACHMENT ¹	
S-1	Steel	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	Heavy-Duty or All-Purpose Fastener with Insulation Fastening Plate at 1 fastener per 2 ft ²	1/2-inch-thick "ISOGARD HD" or "RESISTA"	I.S.O. Twin-Pack Insulation Adhesive in continuous 1/2- to 3/4-inch-wide beads at 12 inches o.c.	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane	45
S-2	Steel	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	Mechanically fastened per FM preliminary fastening requirements	1/2-inch-thick "ISOGARD HD" or "RESISTA"	Heavy-Duty or All-Purpose Fastener with Insulation Fastening Plate at 1 fastener per 2.7 ft ²	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane	45
S-3	Steel	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	All-Purpose Fastener with Insulation Fastening Plate at 1 fastener per 2 ft ²	-	-	Elevate RubberGard LS-FR, LS-FR PT, FR, MAX PT, or Platinum or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to the substrate only	45
S-4	Steel	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	Heavy-Duty or All-Purpose Fastener with Insulation Fastening Plate at 1 fastener per 2.7 ft ²	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	I.S.O. Twin-Pack Insulation Adhesive in continuous 1/2- to 3/4-inch-wide ribbons at 12 inches o.c.	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to substrate only	30
S-5	Steel	Min. 2-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	Heavy-Duty or All-Purpose Fastener with Insulation Fastening Plate at 1 fastener per 4 ft ²	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	I.S.O. Twin-Pack Insulation Adhesive in 1/2- to 3/4-inch-wide ribbons at 12 inches o.c.	Any Elevate RubberGard membrane or Elevate RubberGard SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding	38

TABLE 4B—WIND RESISTANCE – ADHERED ROOFING SYSTEMS - STEEL DECKS (CONTINUED)

SYSTEM NO.	DECK ³	INSULATION		COVER BOARD		MEMBRANE		ALLOWABLE WIND UPLIFT PRESSURE (psf)
		TYPE ^{1,2}	ATTACHMENT ¹	TYPE ¹	ATTACHMENT ¹	TYPE	ATTACHMENT ¹	
							Adhesive at 150 ft ² per gallon to substrate only	
S-6	Steel	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	All-Purpose Fastener with Insulation Fastening Plate at 1 fastener per 2 ft ²	Min. 1/4-inch-thick DensDeck or DensDeck Prime	I.S.O. Twin-Pack Insulation Adhesive in continuous 1/2- to 3/4-inch-wide beads at 12 inches o.c.	Elevate RubberGard LS-FR, LS-FR PT, FR, MAX, MAX PT, Platinum, EcoWhite or EcoWhite Platinum or Elevate RubberGard EPDM SA (when no adhesive is used)	BA-2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 (DensDeck Prime only) at 60 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to the substrate only	45
S-7	Steel	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	All-Purpose Fastener with Insulation Fastening Plate at 1 fastener per 1.6 ft ²	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	I.S.O. Twin-Pack Insulation Adhesive in continuous 1/2- to 3/4-inch-wide beads at 12 inches o.c.	Elevate RubberGard LS-FR, LS-FR PT, FR, MAX, MAX PT, Platinum, EcoWhite or EcoWhite Platinum or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane	75
S-8	Steel	Min. 2-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	All-Purpose Fastener with Insulation Fastening Plate at 1 fastener per 1.6 ft ²	--	--	Elevate RubberGard LS-FR, LS-FR PT, FR, MAX, MAX PT, Platinum, EcoWhite or EcoWhite Platinum	BA-2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane	82
S-9	Steel	1.5-inch-thick Elevate "ISO 95+GL"	Loose-laid	Min. 1/4-inch-thick DensDeck Prime	All-Purpose Fastener with Insulation Fastening Plate at 1 fastener per 2.1 ft ²	Elevate RubberGard EcoWhite or EcoWhite Platinum	WBBA (PS) at 120 ft ² per gallon to substrate and underside of membrane	30
S-10	Steel	1.5-inch-thick Elevate "ISO 95+GL"	Loose-laid	Min. 1/4-inch-thick DensDeck Prime	All-Purpose Fastener with Insulation Fastening Plate at 1 fastener per 1.8 ft ²	Elevate RubberGard EcoWhite or EcoWhite Platinum	BA-2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to the substrate only	45

TABLE 4B—WIND RESISTANCE – ADHERED ROOFING SYSTEMS - STEEL DECKS (CONTINUED)

SYSTEM NO.	DECK ³	INSULATION		COVER BOARD		MEMBRANE		ALLOWABLE WIND UPLIFT PRESSURE (psf)
		TYPE ^{1,2}	ATTACHMENT ¹	TYPE ¹	ATTACHMENT ¹	TYPE	ATTACHMENT ¹	
S-11	Steel	1.5-inch-thick Elevate "ISO 95+GL"	Heavy-Duty or All-Purpose Fastener with Insulation Fastening Plate at 2.67 fastener per ft ²	-	-	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive at 45 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to the substrate only or Single-Ply LVOC Bonding Adhesive at 60 ft ² per gallon to the substrate and underside of the membrane	30
S-12	Steel	Min. 2-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	Heavy-Duty or All-Purpose Fastener with Insulation Fastening Plate at 4 fasteners per ft ²	-	-	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive at 60 ft ² per gallon or WBBA (SP) at 120 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to the substrate only, or Single-Ply LVOC Bonding Adhesive 1168 or Single-Ply LVOC Bonding Adhesive at 60 ft ² per gallon to substrate and underside of membrane	45
S-13	Steel	Min. 2-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	Heavy-Duty or All-Purpose Fastener with Insulation Fastening Plate at 1 fastener per ft ²	-	-	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or Single-Ply Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane	112

TABLE 4C—WIND RESISTANCE – ADHERED ROOFING SYSTEMS - STEEL DECKS WITH VAPOR BARRIER

SYSTEM NO.	DECK ³	VAPOR BARRIER		INSULATION		COVERBOARD		MEMBRANE		ALLOWABLE WIND UPLIFT PRESSURE (psf)
		TYPE	ATTACHMENT	TYPE ^{1,2}	ATTACHMENT ¹	TYPE ¹	ATTACHMENT ¹	TYPE	ATTACHMENT ¹	
S-14	Steel	V-Force	Self-adhered and fully bonded with 3" wide side laps	1.5-inch thick Elevate "ISO 95+ GL"	I.S.O. Stick Adhesive in continuous 3/4 to 1-inch wide ribbons at 12 inches o.c.	-	-	Elevate RubberGard LS-FR, Elevate RubberGard EcoWhite, Elevate RubberGard MAX, or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive, Single-Ply LVOC Bonding Adhesive 1168 or WBBA (P)	68
S-15	Steel	V-Force	Self-adhered and fully bonded with 3" wide side laps	1.5-inch thick Elevate "ISO 95+ GL"	I.S.O. Twin Pack Insulation Adhesive in continuous 3/4 to 1-inch wide ribbons at 12 inches o.c.	-	-	Elevate RubberGard LS-FR, EcoWhite, Elevate RubberGard MAX, or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive, Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane or WBBA (P) at 120 ft ² per gallon to substrate and underside of membrane	83

For SI: 1 inch = 25.4 mm; 1 ft = 0.305 m; 1 psf = 47.88 Pa; 1 gal = 3.785 L.

¹Insulation, barrier boards, cover boards, vapor barriers, adhesives and fasteners must be FM-approved.

²All foam plastic insulation must be limited to the maximum thickness in accordance with Section 5.4 of this report or the maximum thickness in accordance with this table, whichever is less.

³Steel deck must be minimum No. 22 gage galvanized steel [0.030 inch (0.76 mm)]. See Section 5.7 of this report.

TABLE 4D—WIND RESISTANCE – ADHERED ROOFING SYSTEMS - STEEL DECKS WITH BARRIER BOARD

SYSTEM NO.	DECK ³	BARRIER BOARD		INSULATION		COVER BOARD		MEMBRANE		ALLOW-ABLE WIND UPLIFT PRESSURE (psf)
		TYPE	ATTACHMENT	TYPE ^{1,2}	ATTACHMENT ¹	TYPE ¹	ATTACHMENT ¹	TYPE	ATTACHMENT ¹	
S-16	Steel	Min. 1/4-inch-thick DensDeck or DensDeck Prime	Heavy-Duty or All-Purpose Fastener with Insulation Fastening Plate at 1 fastener per 2 ft ²	Min. 1.5-inch-thick to max. 4-inch-thick Elevate “ISO 95+GL” in 1 or 2 layers	I.S.O. Twin-Pack Insulation Adhesive in continuous 1/2- to 3/4-inch-wide ribbons at 12 inches o.c. or I.S.O. FIX II or I.S.O. STICK Adhesive in continuous 3/4- to 1-inch-wide ribbons at 12 inches o.c.	Min. 1/4-inch-thick DensDeck Prime	I.S.O. Twin-Pack Insulation Adhesive in continuous 1/2- to 3/4-inch-wide ribbons at 12 inches o.c. or I.S.O. FIX II or I.S.O. STICK Adhesive in continuous 3/4- to 1-inch-wide ribbons at 12 inches o.c.	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or Single-Ply Bonding LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to the substrate only	45

For SI: 1 inch = 25.4 mm; 1 ft = 0.305 m; 1 psf = 47.88 Pa; 1 gal = 3.785 L.

¹Insulation, barrier boards, cover boards, vapor barriers, adhesives and fasteners must be FM-approved.

²All foam plastic insulation must be limited to the maximum thickness in accordance with Section 5.4 of this report or the maximum thickness in accordance with this table, whichever is less.

³Steel deck must be minimum No. 22 gage galvanized steel [0.030 inch (0.76 mm)]. See Section 5.7 of this report.

TABLE 4E—WIND RESISTANCE – ADHERED ROOFING SYSTEMS - CONCRETE DECKS

SYSTEM NO.	DECK ³	INSULATION		COVER BOARD		MEMBRANE		ALLOWABLE WIND UPLIFT PRESSURE (psf)
		TYPE ^{1,2}	ATTACHMENT ¹	TYPE ¹	ATTACHMENT ¹	TYPE	ATTACHMENT ¹	
C-1	Concrete	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	Full mopping of hot asphalt	Min. 1/4-inch-thick DensDeck	Full mopping of hot asphalt	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive at 60 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to the substrate only	165
C-2	Concrete	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	Full mopping of hot asphalt	--	--	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to the substrate only	195
C-3	Concrete	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	I.S.O. FIX II Adhesive in continuous 3/4- to 1-inch-wide ribbons at 12 inches o.c.	1/2-inch-thick "ISOGARD HD" or "RESISTA"	I.S.O. FIX II Adhesive in continuous 3/4- to 1-inch-wide ribbons at 12 inches o.c.	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive at 60 ft ² per gallon or WBBA (P) at 120 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to the substrate only or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane	278
C-4	Concrete	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	I.S.O. Twin-Pack Adhesive in continuous 1/2- to 3/4-inch-wide ribbons at 12 inches o.c.	1/2-inch-thick "ISOGARD HD" or "RESISTA"	I.S.O. FIX II Adhesive in continuous 1/2- to 3/4-inch-wide ribbons at 12 inches o.c.	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive at 60 ft ² per gallon, or WBBA (P) at 120 ft ² per gallon to substrate and underside of membrane, or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to the substrate only, or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane	248

TABLE 4E—WIND RESISTANCE – ADHERED ROOFING SYSTEMS (CONTINUED)

SYSTEM NO.	DECK ³	INSULATION		COVER BOARD		MEMBRANE		ALLOWABLE WIND UPLIFT PRESSURE (psf)
		TYPE ^{1,2}	ATTACHMENT ¹	TYPE ¹	ATTACHMENT ¹	TYPE	ATTACHMENT ¹	
C-5	Concrete	Min. 1.5-inch-thick to max. 4-inch-thick Elevate “ISO 95+GL”	I.S.O. STICK Adhesive in continuous 3/4- to 1-inch-wide ribbons at 12 inches o.c.	Min. 1/4-inch-thick DensDeck or DensDeck Prime	I.S.O. STICK Adhesive in continuous 3/4- to 1-inch-wide ribbons at 12 inches o.c.	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to the substrate only	232
C-6	Concrete	Min. 1.5-inch-thick Elevate “ISO 95+GL” Followed by an optional layer of Min. 1.5-inch-thick Elevate “ISO 95+GL”	I.S.O. Twin-Pack Adhesive in continuous 1/2- to 3/4-inch wide ribbons at 12 inches o.c. or I.S.O. STICK Adhesive or I.S.O. FIX II Adhesive applied to the substrate in continuous 3/4- to 1-inch wide ribbons at 12 inches o.c.	Min. 1/4-inch-thick DensDeck Prime	I.S.O. Twin-Pack Adhesive in continuous 1/2- to 3/4-inch wide ribbons at 12 inches o.c. or I.S.O. STICK Adhesive or I.S.O. FIX II Adhesive applied to the substrate in continuous 3/4- to 1-inch wide ribbons at 12 inches o.c.	Elevate RubberGard LS-FR, Elevate RubberGard LS-FR PT, Platinum, Elevate RubberGard MAX, Elevate RubberGard MAX PT, Elevate Rubbergard EcoWhite	Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane	262.5
C-7	Concrete	Min. 1.5-inch-thick to max. 4-inch-thick Elevate “ISO 95+GL”	I.S.O. STICK Adhesive in continuous 3/4- to 1-inch-wide ribbons at 12 inches o.c.	--	--	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive at 60 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to the substrate only	270

TABLE 4E—WIND RESISTANCE – ADHERED ROOFING SYSTEMS (CONTINUED)

SYSTEM NO.	DECK ³	INSULATION		COVER BOARD		MEMBRANE		ALLOWABLE WIND UPLIFT PRESSURE (psf)
		TYPE ^{1,2}	ATTACHMENT ¹	TYPE ¹	ATTACHMENT ¹	TYPE	ATTACHMENT ¹	
C-8	Concrete	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	I.S.O. STICK Adhesive in continuous 3/4- to 1-inch-wide ribbons at 12 inches o.c.	1/2-inch-thick "ISOGARD HD" or "RESISTA"	I.S.O. STICK Adhesive in continuous 3/4- to 1-inch-wide ribbons at 12 inches o.c.	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 (RESISTA only) at 60 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to the substrate only	322
C-9	Concrete	Min. 1-inch thick Elevate "RESISTA" followed by optional layer of min. 1-inch thick Elevate "RESISTA"	I.S.O. Twin-Pack Adhesive in continuous 1/2- to 3/4-inch wide ribbons at 12 inches o.c. or I.S.O. STICK Adhesive or I.S.O. FIX II Adhesive applied to the substrate in continuous 3/4- inch to 1-inch wide ribbons at 12 inches o.c.	-	-	Elevate RubberGard LS-FR, Elevate RubberGard LS-FR PT, Elevate RubberGard Platinum, Elevate RubberGard MAX, Elevate RubberGard MAX PT, Elevate RubberGard EcoWhite,	Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane	450
C-10	Concrete	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL"	I.S.O. Twin-Pack Adhesive in 1/2- to 3/4-inch wide ribbons at 12 inches o.c.	-	-	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive at 60 ft ² per gallon to substrate and underside of membrane or EPDM Solvent Free Bonding Adhesive at 150 ft ² per gallon to substrate only	390
LC	Lightweight concrete, min. 160 psi	Min. 1.5-inch-thick to max. 4-inch-thick Elevate "ISO 95+GL", Hunter Panels "H-Shield" or Atlas Roofing Corp. "ACFoam-II"	Olympic Fasteners "OlyBond 500" in continuous 3/4- to 1-inch-wide ribbons at 12 inches o.c.	Min. 1/4-inch-thick DensDeck or DensDeck Prime	Olympic Fasteners "OlyBond 500" in continuous 3/4- to 1-inch-wide ribbons at 12 inches o.c.	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane	225

For SI: 1 inch = 25.4 mm; 1 ft = 0.305 m; 1 psf = 47.88 Pa; 1 gal = 3.785 L.

¹Insulation, barrier boards, cover boards, vapor barriers, adhesives and fasteners must be FM-approved.

²All foam plastic insulation must be limited to the maximum thickness in accordance with Section 5.4 of this report or the maximum thickness in accordance with this table, whichever is less.

³Concrete must have a minimum compressive strength (f_c) of 2500 psi [minimum of 24MPa is required under ADIBC Appendix L, Section 5.1.1], unless otherwise noted. See Section 5.7 of this report.

TABLE 4F—WIND RESISTANCE – ADHERED ROOFING SYSTEMS – CEMENTITIOUS WOOD FIBER DECKS

SYSTEM NO.	DECK ³	INSULATION		COVERBOARD		MEMBRANE		ALLOWABLE WIND UPLIFT PRESSURE (psf)
		TYPE ^{1,2}	ATTACHMENT ¹	TYPE ¹	ATTACHMENT ¹	TYPE	ATTACHMENT ¹	
CWF	“Tectum I” cementitious wood fiber	Min. 1.5-inch-thick to max. 4-inch-thick Elevate “ISO 95+GL”, Hunter Panels “H-Shield” or Atlas Roofing Corp. “ACFoam-II”	Olympic Fasteners “OlyBond 500” in continuous 3/4- to 1-inch-wide ribbons at 12 inches o.c.	Min. 1/4-inch-thick DensDeck or DensDeck Prime	Olympic Fasteners “OlyBond 500” in continuous 3/4- to 1-inch-wide ribbons at 12 inches o.c.	Any Elevate RubberGard membrane or Elevate RubberGard EPDM SA (when an adhesive is not used)	BA-2004 (T) Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 at 60 ft ² per gallon to substrate and underside of membrane	45

For SI: 1 inch = 25.4 mm; 1 ft = 0.305 m; 1 psf = 47.88 Pa; 1 gal = 3.785 L.

¹Insulation, barrier boards, cover boards, vapor barriers, adhesives and fasteners must be FM-approved.

²All foam plastic insulation must be limited to the maximum thickness in accordance with Section 5.4 of this report or the maximum thickness in accordance with this table, whichever is less.

³Concrete must have a minimum compressive strength (f_c) of 2500 psi [minimum of 24MPa is required under ADIBC Appendix L, Section 5.1.1], unless otherwise noted. See Section 5.7 of this report.

TABLE 5—WIND RESISTANCE – MECHANICALLY FASTENED ROOFING SYSTEMS

SYSTEM NO	DECK ³	INSULATION		MEMBRANE		ALLOWABLE WIND UPLIFT PRESSURE (psf)
		TYPE ^{1,2}	ATTACHMENT ¹	TYPE	ATTACHMENT ¹	
MW-1	Wood	Min. 1.5-inch-thick, any UL- classified polyisocyanurate insulation	Mechanically fastened per FM preliminary fastening requirements	Elevate RubberGard MAX, or MAX PT	QuickSeam R.M.A. Strip At 9 ft-6 inches o.c., with Polymer Batten Bar and All-Purpose Fasteners at 6 inches along the batten bar	45
MSC-1	Steel or concrete	Min. 1.5-inch-thick, any UL- classified polyisocyanurate insulation	Mechanically fastened per FM preliminary fastening requirements	Elevate RubberGard MAX, or MAX PT	Heavy-Duty Fastener or All-Purpose Fastener (on steel deck only) with V-Plate at 6 inches o.c. within the roof cover 7-inch laps, in rows 7 ft o.c.	52
MS-1	Steel	Min. 1.5-inch-thick, any UL- classified polyisocyanurate insulation	Mechanically fastened per FM preliminary fastening requirements	Elevate RubberGard LS-FR, LS-FR PT, FR or Platinum	QuickSeam R.M.A. Strip At 7 ft o.c., with Coiled Metal Batten Bar and All-Purpose Fasteners at 6 inches along the batten bar	30
MS-2	Steel	Min. 1.5-inch-thick, any UL- classified polyisocyanurate insulation	Mechanically fastened per FM preliminary fastening requirements	Elevate RubberGard MAX, or MAX PT	Coiled Metal Batten Bar and Heavy-Duty Fastener at 6 inches o.c. within the roof cover 7-inch laps, in rows 7 ft o.c.	38
MS-3	Steel	Min. 1.5-inch-thick, any UL- classified polyisocyanurate insulation	Mechanically fastened per FM preliminary fastening requirements	Elevate RubberGard LS-FR, LS-FR PT, FR or Platinum	QuickSeam R.M.A. Strip At 6 ft o.c., with Coiled Metal Batten Bar and Heavy-Duty Fasteners at 12 inches along the batten bar	38
MS-4	Steel	Min. 1.5-inch-thick, any UL- classified polyisocyanurate insulation	Mechanically fastened per FM preliminary fastening requirements	Elevate RubberGard MAX, or MAX PT	Coiled Metal or Polymer Batten Bar and Heavy-Duty or All-Purpose Fastener at 6 inches o.c. within the roof cover 6-inch wide side laps, and in rows 7 ft o.c.	52

For SI: 1 inch = 25.4 mm; 1 ft = 0.305 m; 1 psf = 47.88 Pa; 1 gal = 3.785 L.

¹Insulation, adhesives and fasteners must be FM-approved.

²All foam plastic insulation must be limited to the maximum thickness in accordance with Section 5.4 of this report or the maximum thickness in accordance with this table, whichever is less.

³Wood deck must be minimum 15/32-inch-thick (11.9 mm) plywood. Steel deck must be minimum No. 22 gage galvanized steel [0.030 inch (0.76 mm)]. Concrete must have a minimum compressive strength (f_c) of 2500 psi, unless otherwise noted. See Section 5.7 of this report.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 53 23—Ethylene-Propylene-Diene-Monomer Roofing

REPORT HOLDER:

AMRIZE BUILDING ENVELOPE LLC

EVALUATION SUBJECT:

ELEVATE RUBBERGARD EPDM SINGLE-PLY ROOFING MEMBRANES

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that the Elevate RubberGard EPDM single-ply roofing membranes, described in ICC-ES evaluation report [ESR-3026](#), have also been evaluated for compliance with the code noted below.

Applicable code edition:

2019 California Building Code (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

2.0 CONCLUSIONS**2.1 CBC:**

The Elevate RubberGard EPDM single-ply roofing membranes, described in Sections 2.0 through 7.0 of the evaluation report [ESR-3026](#), comply with CBC Chapter 15, provided the design and installation are in accordance with the 2018 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapter 15, as applicable.

2.1.1 OSHPD: The applicable OSHPD Sections of the CBC are beyond the scope of this supplement.

2.1.2 DSA: The applicable DSA Sections of the CBC are beyond the scope of this supplement.

This supplement expires concurrently with the evaluation report, reissued April 2026.