# ICC-ES Evaluation Report

**ESR-2125**

*Reissued July 2024*

*Subject to renewal July 2025*

*This report also contains:*

**- CBC Supplement**

**- FBC Supplement**

**- LABC Supplement**

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| DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION<br><br>Section: 07 18 13—Pedestrian Traffic Coatings | REPORT HOLDER:<br><br>AVM INDUSTRIES, INC. | EVALUATION SUBJECT:<br><br>ELASTO FIBERDECK® 100, ELASTO FIBERDECK® 100 CAL-FIRE, FOREVERCOAT® 100 AND FOREVERCOAT® 100 CAL-FIRE WALKING DECK AND ROOF COVERING SYSTEMS | |
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## 1.0 EVALUATION SCOPE

**Compliance with the following codes:**

- 2021, 2018, 2015, 2012, 2009, and 2006 *International Building Code®* (IBC)
- 2021, 2018, 2015, 2012, 2009, and 2006 *International Residential Code®* (IRC)

For evaluation for compliance with codes adopted by *Los Angeles Department of Building and Safety (LADBS)*, see ESR-2125 LABC and LARC Supplement.

**Properties evaluated:**

- Durability
- Fire resistance
- Fire classification
- Wind Resistance

## 2.0 USES

The Elasto Fiberdeck® 100 system, Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 and Forevercoat® 100 Cal-Fire are cementitious walking deck and classified roof covering systems for use directly over concrete and plywood substrates.

## 3.0 DESCRIPTION

### 3.1 Materials:

**3.1.1 Metal Flashing:** Metal flashing must be a minimum No. 26 gage (19 mils) [(0.019 inch (0.483 mm)], corrosion-resistant metal. Flashings must be rigid enough to avoid excessive deflection and ponding, or must be solidly backed by a plywood or concrete substrate.

**3.1.2 AVM Crete 6400 Underlayment:** For the Elasto Fiberdeck® 100 system and Forevercoat® 100 system, AVM Crete 6400 underlayment is a field mixture of AVM Aggregate 400 and AVM Concrete Additive 7400, jobsite-mixed at a ratio of 50 pounds (22.5 kg) of AVM Aggregate 400 to 1 gallon (3.7 L) of AVM Concrete Additive 7400. As an alternative for the Elasto Fiberdeck® 100 system and Forevercoat® 100 system, AVM Crete 6400 Underlayment may be a field mixture of AVM Aggregate 400-SC (Single Component), jobsite-mixed with water at a ratio of 50 pounds (22.5 kg) of AVM Aggregate 400-SC to 1 gallon (3.7 L) of water.

For the Elasto Fiberdeck® 100 Cal-Fire system and Forevercoat® 100 Cal-Fire system, AVM Crete 6400 Underlayment is a field mixture of AVM Aggregate 400-SC (Single Component), jobsite-mixed with water at a ratio of 50 pounds (22.5 kg) of AVM Aggregate 400-SC to 1 gallon (3.7 L) of water.

**3.1.3 AVM Crete 6200:** AVM Crete 6200 is a field mixture of AVM Aggregate 200 and AVM Concrete Additive 7400, jobsite-mixed at a ratio of 50 pounds (22.5 kg) of AVM Aggregate 200 to 1.25 gallon (4.6 L) of AVM Concrete Additive 7400. AVM Crete 6200 is the wear surface of the Forevercoat® 100 system and Forevercoat® 100 Cal-Fire system.

**3.1.4 Aggregates**:

**3.1.4.1 AVM Aggregate 200:** AVM Aggregate 200 is a dry blend of Portland cement and various aggregates, and is packaged in 50-pound (22.5 kg) bags.

**3.1.4.2 AVM Aggregate 400:** AVM Aggregate 400 is a dry blend of portland cement and various aggregates, and is packaged in 50-pound (22.5 kg) bags.

**3.1.4.3 AVM Aggregate 400-SC:** AVM Aggregate 400-SC is a dry blend of Portland cement and various aggregates, and is packaged in 50-pound (22.5 kg) bags.

**3.1.5 AVM Concrete Additive 7400:** AVM Concrete Additive 7400 is a liquid polymer to be used with AVM Aggregate 400, and is supplied in 1- and 5-gallon (3.7 and 18.9 L) containers. Shelf life is one year when stored in unopened containers at temperatures between 50°F and 90°F (10°C and 32.2°C).

**3.1.6 AVM Primer 100:** AVM Primer 100 is a primer for plywood, concrete and steel surfaces, and is supplied in 2- and 5-gallon (7.6 and 18.9 L) containers. Shelf life is one year when stored in unopened containers at temperatures between 50°F and 90°F (10°C and 32.2°C).

**3.1.7 AVM Mat 100:** AVM Mat 100 is a multidirectional, chopped-strand, fiberglass mat weighing 0.75 ounce per square foot (229 g/m$^2$).

**3.1.8 AVM Mat 800:** AVM Mat 800 is a stitchbond polyester fabric, 3.0 ounce per square yard (101.7 g/m$^2$).

**3.1.9 AVM Base Resin 100:** AVM Base Resin 100 is a liquid polymer bonding resin, and is supplied in 2- and 5-gallon (7.6 and 18.9 L) containers. Shelf life is one year when stored in unopened containers at temperatures between 50°F and 90°F (10°C and 32.2°C).

**3.1.10 AVM Texture 100:** AVM Texture 100 is a premixed, ready-to-use texture coating, and is supplied in 2- and 5-gallon (7.6 and 18.9 L) containers. Shelf life is one year when stored in unopened containers at temperatures between 50°F and 90°F (10°C and 32.2°C).

**3.1.11 AVM Top Coat Sealer 4100 and AVM Top Coat Sealer 4150:** AVM Top Coat Sealer 4100 and AVM Top Coat Sealer 4150 are integral-color or clear-top-coat, acrylic system sealers, and are supplied in 2- and 5-gallon (7.6 L and 18.9 L) containers. Shelf life is one year when stored in unopened containers at temperatures between 50°F and 90°F (10°C and 32.2°C).

**3.1.12 AVM AcriPatch 5020:** AVM AcriPatch 5020 is a patching compound for application at joints, voids, cracks and wood knots, and is available in 2- and 5-gallon (7.6 L and 18.9 L) containers. Shelf life is one year when stored in unopened containers at temperatures between 50°F and 90°F (10°C and 32.2°C).

**3.2 Substrates:**

**3.2.1 Plywood:** Plywood must have a minimum thickness of $^5/_8$ inch (15.9 mm) or as required by Table 2304.8 (3) of the 2021, 2018 and 2015 IBC [Table 2304.7 (3) of the 2012, 2009 and 2006 IBC], and must be exterior grade complying with U.S. DOC PS-1 or PS-2.

**3.2.2** Concrete**:** Concrete decks must comply with the applicable requirements of the applicable code and must have a minimum compressive strength of 2500 psi (17.2 MPa) after a minimum 28-day cure time.

**3.3 Metal Lath:**

Metal lath must be minimum 2.5-pound-per-square-yard (1.36 kg/m$^2$), galvanized-diamond-mesh, expanded metal lath complying with ASTM C847.

**3.4 Staples:**

Staples must be corrosion-resistant, minimum No. 16 gage [0.0598 inch (1.519 mm)] staples with 1-inch (25.4 mm) crowns and minimum $^5/_8$-inch-long (15.9 mm) legs.

## 4.0 INSTALLATION

### 4.1 General:

The Elasto Fiberdeck® 100, , Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 and Forevercoat® 100 Cal-Fire walking deck and roof covering systems must be installed in accordance with the manufacturer's published installation instructions, the applicable code and this report. The manufacturer's installation instructions must be available on the jobsite during application. All liquid materials must be applied when the ambient temperature is between 50°F and 90°F (10°C and 32.2°C), and the relative humidity is between 30 and 85 percent; the materials must not be applied when rain or other precipitation is expected or occurring.

Substrates must be structurally sound, clean and dry, and must be sloped to meet the minimum requirements of the applicable code.

### 4.2 Preparation of Substrates:

**4.2.1 Plywood:** Plywood must be applied to framing in accordance with the requirements of the applicable code. All edges must be blocked. All penetrations through and terminations of the sheathing must be protected with metal flashing in accordance with the requirements of the applicable code and the manufacturer's published installation instructions. Any loose or spalling materials must be removed, and all plywood seams, knot holes and uneven areas must be filled with AVM AcriPatch 5020.

**4.2.2** Concrete**:** Surfaces must be clean and dry. All holes and cracks must be filled flush with AVM AcriPatch 5020, and all high spots cut or ground off to provide a smooth, even surface. Dust must be removed using high-pressure air. Any foreign material such as paint, grease or oil must be removed by mechanical means. New concrete must be mechanically scarified prior to application of the system.

**4.2.3** Metal **Flashing:** Metal surfaces must be cleaned of all dust, grease, oils, loose paints, etc., to ensure a good bond between AVM materials and metal flashing. All exposed joints must be caulked.

### 4.3 Walking Deck Covering System:

**4.3.1 Installation over Plywood Substrates:** The substrate must have a minimum slope of ¼:12 (2 percent slope).

The plywood must be prepared as noted in Section 4.2.1. All perimeter edges, penetrations, and abutting vertical surfaces must be covered with metal flashing that extends a minimum of 2 inches (51 mm) onto the surface. The system materials must be applied directly to metal flashing.

AVM Primer 100 is applied by roller or brush at a rate of 1 gallon per 200 to 300 square feet (0.021 to 0.14 L/m$^2$). This coat requires 15 to 45 minutes to cure; temperature and humidity affect drying rates. The primer must be reapplied if the AVM Crete 6400 underlayment is not applied within 12 hours of the initial primer application.

The primed deck must be cleaned, and the metal lath is fastened to the plywood using minimum No. 16 gage [0.0598 inch (1.519 mm)], 1-inch-crown (25.4 mm), $^5/_8$-inch-long (12.7 mm), corrosion-resistant staples, placed at a density of not less than 16 staples per square foot (172 staples/m$^2$), and uniformly distributed. The lath must be butt-jointed and the joints must be fastened to the plywood using the above-noted staples at a maximum spacing of 1 inch (25.4 mm) on center. Lath joints must be staggered from plywood joints.

AVM Crete 6400 underlayment, with either Aggregate 400 or Aggregate 400-SC, is mixed in accordance with the manufacturer's published installation instructions and Section 3.1.2 of this report, and is applied by trowel or float over the metal lath, filling all holes, to a dry thickness of $^1/_4$ inch (6.4 mm). This coat requires a minimum of 24 hours to cure; temperature and humidity affect drying rates.

The cured AVM Crete 6400 surface must be cleaned, and AVM Primer 100 is applied to all surfaces to be coated, at a rate of 1 gallon per 200 square feet (0.021 L/m$^2$). The primer must be allowed to cure until dry, which requires approximately 15 to 45 minutes; temperature and humidity affect drying rates. The primer must be reapplied if the AVM Base Resin 100 is not applied within 12 hours of the initial primer application.

AVM Mat 100 or AVM Mat 800 must be laid, in shingle fashion, with a $^1/_2$-inch (12.7 mm) head lap, to cover the deck. The fabric must overlap the deck edge a minimum of 1 inch (25.4 mm), and must extend into the drain and scupper flashing, terminating at the perimeter of the discharge opening. The fabric must be kept free of crimps and creases.

AVM Base Resin 100 must be applied over the AVM Mat 100 or AVM Mat 800 at the rate of 1 gallon per 40 to 50 square feet (1.03 to 0.82 L/m$^2$), and must be worked into the mat using a roller or brush, applying sufficient pressure to thoroughly embed the resin into the mat. The coat must be allowed to dry overnight, and the surface is checked for any blemishes, air pockets, or bubbles, and any items that may have become embedded. If any such items are found, areas around them must be cut out and filled with AVM Base Resin 100 and AVM Mat 100, as described in this section. If any pinholes are found, AVM Base Resin is applied at the rate of 1 gallon per 100 to 150 square feet (0.41 to 0.27 L/m$^2$) until the pinholes are sealed.

This coat requires a minimum of 24 hours to cure; temperature and humidity affect drying rates.

The cured base coat must be cleaned before application of AVM Texture 100 or AVM Crete 6200. For the Elasto Fiberdeck® 100 system and Elasto Fiberdeck® 100 Cal-Fire system, apply AVM Texture 100 or AVM Crete 6200, at the rate of 1 gallon per 40 to 60 square feet (1.03 to 0.69 L/m$^2$), using a hopper-gun or a trowel. This coat must be allowed to cure until dry, which requires approximately 1 to 3 hours; temperature and humidity affect drying rates. For the Forevercoat® 100 system and Forevercoat® 100 Cal-Fire system, apply a $^1/_8$-inch-thick (3.2 mm) layer of AVM Crete 6200.

For the Elasto Fiberdeck® system and Elasto Fiberdeck® 100 Cal-Fire system, the deck must be cleaned, and AVM Top Coat Sealer 4100 or AVM Top Coat Sealer 4150 is applied at the rate of 1 gallon per 100 to 120 square feet (0.41 to 0.34 L/m$^2$). This top coat sealer must be allowed to cure until dry, but under no circumstances is curing to be less than 24 hours; temperature and humidity affect drying rates. For the Forevercoat® 100 system and Forevercoat® 100 Cal-Fire system, the top coat sealer is optional.

**4.3.2 Installation over Concrete Substrates:** Concrete decks must have a minimum slope of $^1/_4$:12 (2 percent slope) and must be prepared in accordance with Section 4.2.2 with metal flashing prepared as noted in
Section 4.2.3. All perimeter edges, penetrations, and abutting vertical surfaces must be covered with metal flashing that extends a minimum of 2 inches (51 mm) onto the vertical surface, except where edges of concrete slabs are intended for drainage. The system materials must be applied directly to the metal sections. Installation over concrete substrates must be as described in Section 4.3.1 with the exception that the metal lath is not required. In the case of installations over existing reinforced concrete slabs exceeding 1 inch (25.4 mm) in thickness and having a minimum compressive strength of 2,500 psi (17.2 MPa), the application of AVM Crete 6400, as detailed in Section 4.3.1, is not required.

**4.4 Method of Repair:**

The damaged area must be cleared of all existing material, and the materials replaced in the manner described in Sections 4.1, 4.2 and 4.3. When substrate damage occurs, the retention of the fire-resistance rating and strength properties must be investigated and the results submitted to the code official.

**4.5 One-hour Fire-resistance-rated Floor Assembly:**

The Elasto Fiberdeck® 100 , Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 or Forevercoat® 100 Cal-Fire walking deck and roof covering system, when installed over $^5/_8$-inch-thick (15.9 mm) exterior-grade plywood complying with PS-1, with nominally 2-by-8 lumber joists (51 by 203 mm) spaced at a maximum of 16 inches (406 mm) on center, and all plywood joints blocked, are a substitute for the double wood floor described in Item 13 of Table 721.1 (3) of the 2021, 2018, 2015 and 2012 IBC [Table 720.1(3) of the 2009 and 2006 IBC]. When installation is over nominally 2-by-8 joists (51by 203 mm), the design bending stress assigned to the joists is limited to 78 percent of the code-prescribed design values. The reduction in bending stress is not required for 2-by-10 (51 by 254 mm) and deeper joists.

**4.6 Fire classification:**

When the Elasto Fiberdeck® 100, Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 or Forevercoat® 100 Cal-Fire walking deck and roof covering system is applied over $^5/_8$-inch-thick (15.9 mm), exterior grade plywood substrates with all edges blocked, the system has a Class A roof assembly classification, provided the slope is a maximum $^1/_4$ inch per foot (2% slope) and meets the minimum slope requirements of the applicable code.

**4.7 Wind Resistance:**

The maximum allowable wind resistance pressure is limited by the capacity of the plywood or concrete roof deck construction, as applicable. The roof deck must be designed to resist the design wind pressures in accordance with the applicable code.

## 5.0 CONDITIONS OF USE:

The Elasto Fiberdeck® 100, Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 and Forevercoat® 100 Cal-Fire walking deck and roof covering systems described in this report comply with, or are a suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

**5.1** Installation must comply with this report, the manufacturer's published installation instructions and the applicable code. If there is a conflict between the manufacturer's published installation instructions and this report, this report governs.

**5.2** When installation is adjacent to swimming pools or spas, in areas subject to related chemical exposure, a second application of AVM Top Coat Sealer 4100 or 4150 is required and must be applied in accordance with Section 4.3.1, except that the sealer is applied at a rate of 1 gallon per 150 square feet (0.27 $L/m^2$).

**5.3** The roof deck on which the Elasto Fiberdeck® 100, Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 or Forevercoat® 100 Cal-Fire walking deck and roof covering system is installed must be designed to resist the design wind pressures of the applicable code.

**5.4** The AVM products are manufactured in Canoga Park, California, under a quality control program with inspections by ICC-ES.

## 6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Walking Decks (AC39), dated June 2017 (editorially revised November 2020).

## 7.0 IDENTIFICATION

**7.1** The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-2125) along with the name, registered trademark, or registered logo of the report holder must be included in the product label.

**7.2** In addition, each bucket of AVM materials bears a label noting the manufacturer's name (AVM Industries, Inc.) and address; the product name, the evaluation report number (ESR-2125); the shelf life; the batch number keyed to the date of manufacture. Each bag of AVM materials bears a label noting the manufacturer's name (AVM Industries, Inc.) and address, the product name and the batch number keyed to the date of manufacture. Each pallet of buckets and bags bears the same label, including the evaluation report number. Rolls of AVM Mat 100 and AVM Mat 800 bear a pallet label noting the company name (AVM Industries), the product name (AVM Mat 100 or AVM Mat 800) and the evaluation report number (ESR-2125).

**7.3** The report holder's contact information is the following:

**AVM INDUSTRIES, INC.**
**8245 REMMET AVENUE**
**CANOGA PARK, CALIFORNIA 91304**
**(818) 888-0050**
**www.avmindustries.com**

**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION**
**Section: 07 18 13—Pedestrian Traffic Coatings**

**REPORT HOLDER:**

**AVM INDUSTRIES, INC.**

**EVALUATION SUBJECT:**

**ELASTO FIBERDECK® 100, ELASTO FIBERDECK® 100 CAL-FIRE, FOREVERCOAT® 100 AND FOREVERCOAT® 100 CAL-FIRE WALKING DECK AND ROOF COVERING SYSTEMS**

## 1.0 REPORT PURPOSE AND SCOPE

**Purpose:**

The purpose of this evaluation report supplement is to indicate that Elasto Fiberdeck 100, Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 and Forevercoat® 100 Cal-Fire walking deck and roof covering systems, described in ICC-ES evaluation report ESR-2125, have also been evaluated for compliance with the codes noted below as adopted by the Los Angeles Department of Building and Safety (LADBS).

**Applicable code editions:**

- 2023 *City of Los Angeles Building Code* (LABC)
- 2023 *City of Los Angeles Residential Code* (LARC)

## 2.0 CONCLUSIONS

The Elasto Fiberdeck 100, Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 and Forevercoat® 100 Cal-Fire walking deck and roof covering systems, described in Sections 2.0 through 7.0 of the evaluation report ESR-2125, comply with the LABC and the LARC and are subject to the conditions of use described in this supplement.

## 3.0 CONDITIONS OF USE

The Fiberdeck 100, Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 and Forevercoat® 100 Cal-Fire walking deck and roof covering systems, described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report ESR-2125.
- The design, installation, conditions of use and identification of the systems are in accordance with the 2021 *International Building Code®* (IBC) or the 2021 *International Residential Code®* (IRC), as applicable, provisions noted in the evaluation report ESR-2125.
- The design, installation and inspection are in accordance with additional requirements of LABC Chapter 15, 16 and 17 or LARC Chapter 9, as applicable.
- The installation of the system must comply with the City of Los Angeles Information Bulletin P/BC 2020-16, “Dwellings in High Wind Velocity Areas (HWA).”
- The Elasto Fiberdeck® 100 Cal-Fire and Forevercoat® 100 Cal-Fire walking deck and roof covering systems may be used in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area, provided the installation is in accordance with the 2021 *International Building Code®* (IBC) provisions noted in the evaluation report and the additional requirements of Sections 701A.3 and 705A of the LABC. The Elasto Fiberdeck® 100 Cal-Fire and Forevercoat® 100 Cal-Fire walking deck and roof covering systems comply with the performance requirements of Section 704A.3 when tested in accordance with ASTM E84 in accordance with Item 2 of LABC Section 709A.3 and may be used in the exterior design and construction of decking in new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.
- The Elasto Fiberdeck® 100 Cal-Fire and Forevercoat® 100 Cal-Fire walking deck and roof covering systems may be used in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility

Areas or any Wildland–Urban Interface Fire Area; provided the installation is in accordance with the 2021 *International Residential Code*® (IRC) provisions noted in the evaluation report and the additional requirements of Sections R337.1.3.1 and R337.5 of the LARC. The Elasto Fiberdeck® 100 Cal-Fire and Forevercoat® 100 Cal-Fire walking deck and roof covering systems comply with the performance requirements of Section R337.4.3 when tested in accordance with ASTM E84 in accordance with Item 2 of LARC Section R337.9.3 and may be used in the exterior design and construction of decking in new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

This supplement expires concurrently with the evaluation report, reissued July 2024.

**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION**
**Section: 07 18 13—Pedestrian Traffic Coatings**

**REPORT HOLDER:**

**AVM INDUSTRIES, INC.**

**EVALUATION SUBJECT:**

**ELASTO FIBERDECK® 100, ELASTO FIBERDECK® 100 CAL-FIRE, FOREVERCOAT® 100 AND FOREVERCOAT® 100 CAL-FIRE WALKING DECK AND ROOF COVERING SYSTEMS**

## 1.0 REPORT PURPOSE AND SCOPE

**Purpose:**

The purpose of this evaluation report supplement is to indicate that Elasto Fiberdeck® 100, Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 and Forevercoat® 100 Cal-Fire walking deck and roof covering systems, described in ICC-ES evaluation report ESR-2125, have also been evaluated for compliance with the code*(s)* noted below.

**Applicable code edition*(s)*:**

- 2022 *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.

- 2022 *California Residential Code* (CRC)

## 2.0 CONCLUSIONS

### 2.1 CBC:

The Elasto Fiberdeck® 100, Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 and Forevercoat® 100 Cal-Fire walking deck and roof covering systems, described in Sections 2.0 through 7.0 of the evaluation report ESR-2125, comply with CBC Chapter 15, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapters 15, 16 and 17, as applicable.

The Elasto Fiberdeck® 100 Cal-Fire and Forevercoat® 100 Cal-Fire walking deck and roof covering systems may be used in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area, provided installation is in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of Sections 701A.3 and 705A of the CBC. The Elasto Fiberdeck® 100 Cal-Fire and Forevercoat® 100 Cal-Fire walking deck and roof covering systems comply with the performance requirements of Section 704A.3 when tested in accordance with ASTM E84 in accordance with Item 2 of CBC Section 709A.3 and may be used in the exterior design and construction of decking in new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

### 2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

### 2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

### 2.2 CRC:

The Elasto Fiberdeck® 100, Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 and Forevercoat® 100 Cal-Fire walking deck and roof covering systems, described in Sections 2.0 through 7.0 of the evaluation report ESR-2125, comply with CRC Chapter 9, provided the design and installation are in accordance with the 2021 *International Residential Code*® (IRC) provisions noted in the evaluation report and additional requirements of CRC Chapter 9, as applicable.

The Elasto Fiberdeck® 100 Cal-Fire and Forevercoat® 100 Cal-Fire walking deck and roof covering systems may be used in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area, provided installation is in accordance with the 2021 *International Residential Code*® (IRC) provisions noted in the evaluation report and the additional requirements of Sections R337.1.3.1 and R337.5 of the CRC. The Elasto Fiberdeck® 100 Cal-Fire and Forevercoat® 100 Cal-Fire walking deck and roof covering systems comply with the performance requirements of Section R337.4.3 when tested in accordance with ASTM E84 in accordance with Item 2 of CRC Section R337.9.3 and may be used in the exterior design and construction of decking in new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

The products described in this supplement have not been evaluated for compliance with the *International Wildland–Urban Interface Code*®.

This supplement expires concurrently with the evaluation report, reissued July 2024.

**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION**
**Section: 07 18 13—Pedestrian Traffic Coatings**

**REPORT HOLDER:**

**AVM INDUSTRIES, INC.**

**EVALUATION SUBJECT:**

**ELASTO FIBERDECK® 100, ELASTO FIBERDECK® 100 CAL-FIRE, FOREVERCOAT® 100 AND FOREVERCOAT® 100 CAL-FIRE WALKING DECK AND ROOF COVERING SYSTEMS**

## 1.0 REPORT PURPOSE AND SCOPE

**Purpose:**

The purpose of this evaluation report supplement is to indicate that the Elasto Fiberdeck® 100, Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 and Forevercoat® 100 Cal-Fire Walking Deck and Roof Covering Systems described in ICC-ES evaluation report ESR-2125, have also been evaluated for compliance with the codes noted below.

**Applicable code editions:**

- 2020 *Florida Building Code—Building*
- 2020 *Florida Building Code—Residential*

## 2.0 CONCLUSIONS

The Elasto Fiberdeck® 100, Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 and Forevercoat® 100 Cal-Fire Walking Deck and Roof Covering Systems described in Sections 2.0 through 7.0 of the evaluation report ESR-2125, are Class A roof covering assemblies, in compliance with the *Florida Building Code—Building* and the *Florida Building Code—Residential*, as applicable. The design requirements must be determined in accordance with the *Florida Building Code—Building* and the *Florida Building Code—Residential*, as applicable. The installation requirements noted in ICC-ES Evaluation Report ESR-2125 for the 2018 *International Building Code®* (IBC) meet the requirements of the *Florida Building Code—Building* and the *Florida Building Code—Residential*, as applicable, with the following conditions:

1. Flashing must be in accordance with Section 1503.2 of the *Florida Building Code—Building* or Section R903.2 of the *Florida Building Code—Residential, as applicable.*
2. Roof drainage must be installed in accordance with Section 1503.4 of the *Florida Building Code—Building* or Section R903.4 of the *Florida Building Code—Residential*, as applicable.
3. Fasteners must be in accordance with Section 1506.5, 1506.6 or 1506.7 of the *Florida Building Code—Building* or Section R904.5 of the *Florida Building Code—Residential*, as applicable.

Use of the Elasto Fiberdeck® 100, Elasto Fiberdeck® 100 Cal-Fire, Forevercoat® 100 and Forevercoat® 100 Cal-Fire Walking Deck and Roof Covering Systems for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* and the *Florida Building Code—Residential* has not been evaluated, and is outside the scope of this supplemental report.

For products falling under Florida Rule 61G20-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the evaluation report, reissued July 2024.