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BUILDING PRODUCTS LISTING PROGRAM

Customer: Plycem USA, LLC
Class: Fiber-Cement Siding
Location: Houston, TX
Website: www.allurausa.com

Listing No. B1034-1
Project No. B1034-1, Edition 8
Effective Date: July 5, 2011
Last Revised Date: June 20, 2025
Expires: N/A

Standards:

ASTM C1186-08	*Standard Specification for Flat Fiber-Cement Sheets.*
ASTM E84-21a	*Standard Test Method for Surface Burning Characteristics of Building Materials*.
ASTM E136-16a	*Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C*
ASTM E330/ E330M-14	*Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*.

Product: Allura® and TerraPlank™ Fiber-Cement Exterior Cladding of the following Types:

- Allura® and TerraPlank™ Lap Siding.
- Allura® and TerraPlank™ Panel.
- Allura® and TerraPlank™ Shake.
- Allura® Shake Select.
- Allura® Soffit.

Markings: Product is marked with a permanent label containing the following information:

a) Manufacturer's name or Trademark.
b) Product name.
c) Production Date Traceability Code.
d) ASTM C1186 Grade II Type A.
e) ASTM E136 – Classified Non-Combustible
f) ASTM E84 – Class A
g) QAI File Number (B1034)
h) Traceability code.
i) QAI logo shown here:

Models/Rating: **The following outlines Allura® and TerraPlank™ Fiber-Cement Products.**

Allura® and TerraPlank™ fiber-cement products comply with Grade II Type A requirements per ASTM C1186.

Allura® and TerraPlank™Grade II Type A fiber-cement products have the following surface burning characteristics determined in accordance with ASTM E84.

Allura® and Terraplank™ Fiber-Cement Siding Surface Burnace Characteristics Per ASTM E84

Products	Thicknesses		Flame Spread Index	Smoke Developed Index	Class
	inches	mm			
Grade II Type A Siding	1/4 – 5/16	6 - 8	≤ 0	≤ 5	A

Allura® and TerraPlank™ fiber-cement products are classified non-combustible complying with ASTM E136 requirements.

Allura and TerraPlank Lap Siding ASTM E330 Wind Pressure Resistant Assemblies:

	Fastening Method	Product Width (in.)	Fastener Type	Attachment	Wall Details	Framing Spacing (in.)	Allowable Design Load (psf)	Allowable Design Load (kPa)
1	Face	12	6d collated siding nail, min. 2" (51 mm) length	8" (203 mm) into sheathing and studs	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	16	-36.1	-1.7
2	Face	9-¼	6d collated siding nail, min. 2" (51 mm) length	8" (203 mm) into sheathing and studs	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	16	-48.7	-2.3
3	Face	9-¼	6d collated siding nail, min. 2" (51 mm) length	12" (305 mm) into sheathing and studs	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-25.3	-1.2
4	Face	9-¼	6d collated siding nail, min. 2" (51 mm) length	16" (406 mm) into each stud	Dimensional lumber framing, sheathing optional	16	-24.5	-1.2
5	Blind	9-¼	11-gauge ring shank roofing nail, min. 1-¾" (45 mm) length	8" (203 mm) into sheathing and studs	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-33.1	-1.6
6	Blind	9-¼	11-gauge smooth shank roofing nail min. 1-¼" (32 mm) length	12" (305 mm) into furring strips	1x4 furring strips at 12" (305 mm) vertical spacing, anchored into underlying sheathing	24	-21.2	-1.0

7	Blind	9-¼	11-gauge smooth shank roofing nail min. 1-¼" (32 mm) length	8" (203 mm) into furring strips	1x4 furring strips at 8" (203 mm) vertical spacing, anchored into underlying sheathing	24	-39	-1.9
8	Face	≤ 8-¼	6d collated siding nail, min. 2" (51 mm) length	12" (305 mm) into sheathing and studs	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-25.3	-1.2
9	Face	≤ 8-¼	6d collated siding nail, min. 2" (51 mm) length	8" (203 mm) into sheathing and studs	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	16	-48.7	-2.3
10	Face	8-¼	6d collated siding nail, min. 2" (51 mm) length	16" (406 mm) into each stud	Dimensional lumber framing, sheathing optional[10]	16	-25.8	-1.2
11	Face	≤ 8-¼	6d ring shank siding nail, min. 1-½" (38 mm) length	8" (203 mm) into sheathing	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-46.7	-2.2
12	Blind	8-¼	11-gauge smooth shank roofing nail, min. 1-¾" (45 mm) length	16" (406 mm) into each stud	Dimensional lumber framing, sheathing optional[10]	16	-23.3	-1.1
13	Blind	≤ 8-¼	11-gauge ring shank roofing nail, min. 1-¾" (45 mm) length	12" (305 mm) into sheathing and studs	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-27.9	-1.3
14	Blind	≤ 8-¼	11-gauge smooth shank roofing nail, min. 1-¾" (45 mm) length	8" (203 mm) into sheathing and studs	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-40.3	-1.9
15	Blind	≤ 8-¼	11-gauge smooth shank roofing nail, min. 1-¾" (45 mm) length	8" (203 mm) into sheathing and studs	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	16	-37.6	-1.8
16	Blind	≤ 8-¼	No. 8 self-tapping wafer-head screws, min. 1-⅝" (41 mm) length	16" (406 mm) into each stud[15]	20-gauge steel stud with ½" (13 mm) gypsum or wood sheathing	16	-22.3	-1.1
17	Blind	≤ 8-¼	6d ring shank siding nail, min. 2" (51 mm) length	16" (406 mm) into each stud	Dimensional lumber framing, sheathing optional[10]	16	-20	-1.0
18	Blind	≤ 8-¼	11-gauge ring shank roofing nail, min. 1-¼" (32 mm) length	8" (203 mm) into sheathing	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-54.4	-2.6
19	Blind	≤ 8-¼	11-gauge ring shank roofing nail min. 1-¾" (45 mm) length	8" (203 mm) into sheathing	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-30.6	-1.5
20	Blind	≤ 8-¼	11-gauge smooth shank roofing nail min. 1-¼" (32 mm) length	12" (305 mm) into furring strips	1x4 furring strips at 12" (305 mm) vertical spacing, anchored into underlying sheathing	24	21.2	1.0

21	Blind	≤ 8-¼	11-gauge smooth shank roofing nail min. 1-¼" (32 mm) length	8" (203 mm) into furring strips	1x4 furring strips at 8" (203 mm) vertical spacing, anchored into underlying sheathing	24	-39	-1.9
22	Face	7-¼	6d collated siding nail, min. 2" (51 mm) length	16" (406 mm) into each stud	Dimensional lumber framing, sheathing optional[10]	16	-33.2	-1.6
23	Blind	7-¼	6d collated siding nail, min. 2" (51 mm) length	16" (406 mm) into each stud	Dimensional lumber framing, sheathing optional[10]	16	-31.4	-1.5
24	Face	≤ 7-¼	6d collated siding nail, min. 2" (51 mm) length	8" (203 mm) into sheathing and studs	Dimensional lumber framing including min. $\frac{7}{16}$" (11 mm) structural wood sheathing	16	-65.7	-3.1
25	Face	6-¼	6d collated siding nail, min. 2" (51 mm) length	16" (406 mm) into each stud	Dimensional lumber framing, sheathing optional[10]	16	-34.8	-1.7
26	Blind	6-¼	6d collated siding nail, min. 2" (51 mm) length	16" (406 mm) into each stud	Dimensional lumber framing, sheathing optional[10]	16	-36.4	-1.7
27	Face	5-¼	6d collated siding nail, min. 2" (51 mm) length	16" (406 mm) into each stud	Dimensional lumber framing, sheathing optional[10]	16	-43.7	-2.1
28	Blind	5-¼	11-gauge smooth shank roofing nail of 1-¾" (45 mm) length	16" (406 mm) into each stud	Dimensional lumber framing, sheathing optional[10]	16	-38.3	-1.8

Installation must be in accordance with the manufacturer's installation instructions.

Unless otherwise noted, wood framing/furring species must have a specific gravity of 0.42 or greater. Furring attachment to structural wood sheathing and wood and steel framing must be determined by the project design engineer to resist the maximum wind speeds. Where non-structural sheathing types are included, increase the length of fasteners by the sheathing thickness to maintain min. fastener penetration into framing.

Framing anchoring, and attachment of sheathing to underlying framing is to be in accordance with the applicable code and sufficient to resist service loads.

Unless otherwise specified, steel studs are to be minimum 33 ksi yield, G60 galvanized in accordance with the applicable code.

Fastener length can be adjusted to penetrate underlying steel framing a minimum 1/4-inch or three (3) full treads.

Allura and TerraPlank Panel Siding ASTM E330 Wind Pressure Resistant Assemblies:

	Fastening Method	Product Width (in.)	Fastener Type	Attachment	Wall Details	Framing Spacing (in.)	Allowable Design Load (psf)	Allowable Design Load (kPa)
29	Face	48	6d collated siding nail, min. 2" (51 mm) length	6" (152 mm) around perimeter, 12" (305 mm) in the field into framing	Dimensional lumber framing, sheathing optional	16	-21.1	-1.0
30	Face	48	6d collated siding nail, min. 2" (51 mm) length	6" (152 mm) around perimeter, 6" (152 mm) in the field into framing	Dimensional lumber framing, sheathing optional	16	-42.2	-2.0
31	Face	48	No. 8 wafer-head screws, min. 1-⅝" (41 mm) length	6" (152mm) vertically along studs	Dimensional lumber framing, sheathing optional	16	-38.3	-1.8
32	Face	48	6d collated siding nail, min. 2" (51 mm) length	6" (152 mm) around perimeter, 12" (305 mm) in the field into framing	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-18.7	-0.9
33	Face	48	No. 8 self-tapping wafer-head screws, min. 1-⅝" (41 mm) length	6" (152 mm) around perimeter, 12" (305 mm) in the field into framing[13]	20-gauge steel, ½" (13 mm) gypsum or wood-based sheathing	16	-42.4	-2.0
34	Face	48	No. 8 self-tapping wafer-head screws, min. 1-⅝" (41 mm) length	6" (152mm) vertically into framing[13]	20-gauge steel, sheathing optional	16	-35	-1.7
35	Face	48	No. 8 self-tapping wafer-head screws, min. 1-⅝" (41 mm) length	6" (152 mm) around perimeter, 12" (305 mm) in the field into framing[13]	20-gauge steel, ½" (13 mm) gypsum or wood-based sheathing	24	-24.1	-1.2
36	Face	48	SFS TW-S-D-12 screws, min. 1-½" (38 mm) length	Manufacturer's Commercial Pattern "A" into sheathing per Figure 5.	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-31.1	-1.5
37	Face	48	SFS TW-S-D-12 screws, min. 1-½" (38 mm) length	Manufacturer's Commercial Pattern "B" into sheathing per Figure 6.	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-21.7	-1.0
38	Face	48	Aerosmith VersaPin LH 2635SBG pin min. 2-½" (64 mm) length	8" (203 mm) vertically and horizontally into sheathing	Dimensional lumber with 1" (25 mm) Owens Corning Structural Insulated Sheathing (SIS)	24	-32.8	-1.6
39	Face	48	No. 8 self-tapping wafer-head screws, min. 1-⅝" (41 mm) length	6" (152 mm) vertically, and 16" (405 mm) horizontally into sheathing	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-43.3	-2.1

40	Face	48	No. 8 self-tapping wafer-head screws, min. 1-⅝" (41 mm) length	8" (203 mm) vertically and 16" (406 mm) horizontally into furring	Dimensional lumber framing including min. $\frac{7}{16}$ " (11 mm) structural wood sheathing with 1x3 pressure treated furring strips at 16" (405 mm) horizontally	24	-41.7	-2.0

Installation must be in accordance with the manufacturer's installation instructions.

Unless otherwise noted, wood framing/furring species must have a specific gravity of 0.42 or greater. Furring attachment to structural wood sheathing and wood and steel framing must be determined by the project design engineer to resist the maximum wind speeds.

Where non-structural sheathing types are included, increase the length of fasteners by the sheathing thickness to maintain min. fastener penetration into framing.

Framing anchoring, and attachment of sheathing to underlying framing is to be in accordance with the applicable code and sufficient to resist service loads.

Unless otherwise specified, steel studs are to be minimum 33 ksi yield, G60 galvanized in accordance with the applicable code.

Fastener length can be adjusted to penetrate underlying steel framing a minimum 1/4-inch or three (3) full treads.

Allura and TerraPlank Shake ASTM E330 Wind Pressure Resistant Assemblies:

	Fastening Method	Product Width (in.)	Fastener Type	Attachment	Wall Details	Framing Spacing (in.)	Allowable Design Load (psf)	Allowable Design Load (kPa)
41	Blind	48	6d collated siding nail, min. 2" (51 mm) length	One fastener at every keyway into sheathing per Figure 8	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-48.3	-2.3

Installation must be in accordance with the manufacturer's installation instructions.

Unless otherwise noted, wood framing/furring species must have a specific gravity of 0.42 or greater. Furring attachment to structural wood sheathing and wood and steel framing must be determined by the project design engineer to resist the maximum wind speeds.

Where non-structural sheathing types are included, increase the length of fasteners by the sheathing thickness to maintain min. fastener penetration into framing.

Framing anchoring, and attachment of sheathing to underlying framing is to be in accordance with the applicable code and sufficient to resist service loads.

Unless otherwise specified, steel studs are to be minimum 33 ksi yield, G60 galvanized in accordance with the applicable code.

Fastener length can be adjusted to penetrate underlying steel framing a minimum 1/4-inch or three (3) full treads.

Allura and TerraPlank Select ASTM E330 Wind Pressure Resistant Assemblies:

	Fastening Method	Product Width (in.)	Fastener Type	Attachment	Wall Details	Framing Spacing (in.)	Allowable Design Load (psf)	Allowable Design Load (kPa)
42	Blind	48" Select Shake	6d collated siding nail, min. 1-¾" (45 mm) length	Fastener installed at edge of panel and every other (every second) keyway through sheathing per Figure 9	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-46	-2.2
43	Blind	48" Select Shake	11-gauge roofing nail, min. 1-¾" (45 mm) length.	Fastener installed at edge of panel and every other (every second) keyway through sheathing per Figure 9	Dimensional lumber framing including min. 7/16" (11 mm) structural wood sheathing	24	-33.7	-1.6
44	Blind	48" Select Shake	No. 9 cement board screw min. 1-⅝" (41 mm) length	Fastener installed at edge of panel and every other (every second) keyway through sheathing per Figure 19[15]	20-gauge steel with min. 7/16" (11 mm) structural wood sheathing	24	-66.7	-3.2

Installation must be in accordance with the manufacturer's installation instructions.

Unless otherwise noted, wood framing/furring species must have a specific gravity of 0.42 or greater. Furring attachment to structural wood sheathing and wood and steel framing must be determined by the project design engineer to resist the maximum wind speeds.

Where non-structural sheathing types are included, increase the length of fasteners by the sheathing thickness to maintain min. fastener penetration into framing.

Framing anchoring, and attachment of sheathing to underlying framing is to be in accordance with the applicable code and sufficient to resist service loads.

Unless otherwise specified, steel studs are to be minimum 33 ksi yield, G60 galvanized in accordance with the applicable code.

Fastener length can be adjusted to penetrate underlying steel framing a minimum 1/4-inch or three (3) full treads.

Notes: Final acceptance of the product in the intended application is to be determined by the authority having jurisdiction.

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