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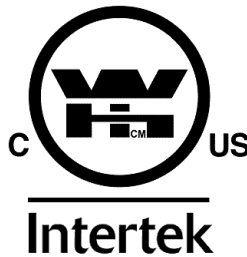
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This document supersedes all previous Authorizations to Mark for the noted Report Number.

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Testing Standard{s}:	:ASTM E330 (2002):EN 12467: 2000(E):ASTM E136 (2004):ISO 8336:1993 / Amd 1:2004 (E):CAN / ULC S101 (2007):ASTM C1186 (2007):ASTM E84 (2011c):ASTM E84 (2011b):ASTM E119 (2008):ASTM E84 (2008):ASTM E84 (2010):ASTM E119 (2010):ASTM E84 (2011a):ASTM E84 (2012)
Product:	James Hardie Artisan® Siding Products

ATM for Report 3097158; 3128317; 3133121; 3143474;
3097158; 3140071COQ-007; 3140071COQ-005;
3140071COQ-006(a), G101547645, G101663970,
G102026457

ATM Issue Date: 05/10/2016

Listing Section(s): EXTERIOR CLADDING SYSTEMS & COMPONENTS

OTHER PRODUCTS

CSI Code: 07 40 00 Roofing and Siding Panels

CSI Code: 07 44 56 Mineral-Fiber-Reinforced Cementitious Panels

Description:

Artisan® Siding Products are fiber-cement products that are manufactured with a nominal thickness of 5/8 inches, a width of 5-1/4, 7-1/4 or 8-1/4 inches and a length of 12 feet.

Artisan® Siding Products are available as Artisan® Lap Siding and also under the product designation Artisan® V-Rustic Premium Exterior Siding, which is available in the same dimensions but has a different edge lap design.

RATINGS

NOTE: The ratings granted below, where indicated for **Artisan® Lap Siding**, do not apply to Artisan® V-Rustic Premium Exterior Siding. Ratings achieved by Artisan® V-Rustic Premium Exterior Siding are indicated in the section allocated for that specific product variant, noted further below.

ARTISAN® LAP SIDING

Artisan® Lap Siding has achieved the following ratings when tested in accordance with the corresponding standards:

Standard	Rating
ASTM C1186	Grade II, Type A, Non-Asbestos Fibre-Cement Flat Sheets
ASTM E84	Flame Spread Rating: 0 Smoke Developed Rating: 5
ISO 8336	Category A, Class 2, Level I
BS EN 12467	Category A, Class 2, Level I
ASTM E119 CAN/ULC S101	1 hour Fire Resistance Refer to Design No. JH/FCS 60-04
ASTM E136	Non-combustible

ASTM E72 Assemblies:

In addition to the ratings above, Artisan® Lap Siding has achieved performance ratings in accordance with ASTM E72 as described below.

System 1:

The Artisan® Lap Siding (8-1/4 in. wide x 5/8 in. thick) was fastened to a 4 ft. x 8 ft. timber framing system constructed from nominal 2 in. x 4 in. softwood pine studs of nominal specific gravity of 0.45. It was attached by fastening through the boards at each stud 1-1/8in. down from the top edge, with the fastener concealed under the 1-1/4 in. overlap of the board above it. Fasteners were Hitachi Coil Round Head Nails 0.092 in. shank x 0.225 in. HD x 2-1/4 in. long installed with a pneumatic Hitachi coil nailer.

System 1 results:		
	Ultimate Load (positive)	Ultimate Load (negative)
16 in. on center	257 psf	98.5 psf
24 in. on center	264 psf	55.6 psf

System 2:

The Artisan® Lap Siding (5-1/4 in. wide x 5/8 in. thick) was fastened to a 4 ft. x 8 ft. timber framing system constructed from nominal 2 in. x 4 in. softwood pine studs of nominal specific gravity of 0.45. It was attached by fastening through the boards at each stud 1-1/8in. down from the top edge, with the fastener concealed under the 1-1/4 in. overlap of the board above it. Fasteners were Hitachi Coil Round Head Nails 0.092 in. shank x 0.225 in. HD x 2-1/4 in. long installed with a pneumatic Hitachi coil nailer.

System 2 results:		
	Ultimate Load (positive)	Ultimate Load (negative)
16 in. on center	n/a	236 psf
24 in. on center	n/a	125 psf

System 3:

The Artisan® Lap Siding (8-1/4 in. wide x 5/8 in. thick) was fastened to a 4 ft. x 8 ft. steel framing system constructed from nominal 2 in. x 4 in. x 20ga steel studs. It was attached by fastening through the boards at each stud 1-1/8in. down from the top edge, with the fastener concealed under the 1-1/4 in. overlap of the board above it. Fasteners were No. 8-18 x 0.323 in. HD x 1-5/8 in. long ribbed bugle head screws.

System 3 results:		
	Ultimate Load (positive)	Ultimate Load (negative)
16 in. on center	n/a	160 psf
24 in. on center	n/a	125 psf

System 4:

The Artisan® Lap Siding (5-1/4 in. wide x 5/8 in. thick) was fastened to a 4 ft. x 8 ft. steel framing system constructed from nominal 2 in. x 4 in. x 20ga steel studs. It was attached by fastening through the boards at each stud 1-1/8in. down from the top edge, with the fastener concealed under the 1-1/4 in. overlap of the board above it. Fasteners were No. 8-18 x 0.323 in. HD x 1-5/8 in. long ribbed bugle head screws.

System 4 results:		
	Ultimate Load (positive)	Ultimate Load (negative)
16 in. on center	n/a	236 psf
24 in. on center	n/a	233 psf

ASTM E330 Assemblies:

In addition to the ratings above, Artisan® Lap Siding has achieved performance ratings in accordance with ASTM E330 as described below.

System 5:

The Artisan® Fiber Cement Lap Siding (8-1/4 in. wide x 5/8 in. thick) was fastened to a 4 ft. x 8 ft. timber framing system constructed from 2 in. x 4 in. SPF lumber studs. The framing was secured together with (2) 16D nails at each connection. Sample material applied to wood framing with a 2-3/8in. by 0.113 in. diameter ring shank nail (blind) 1 in. down from top edge at each stud location, and a 2-1/2 in. 16ga finish nail (face) 3/4 in. down from top edge at each stud location. Overlap was 1-1/4 in.

System 5 results:		
	Ultimate Load (positive)	Ultimate Load (negative)
16 in. on center	n/a	240 psf

System 6:

The Artisan® Fiber Cement Lap Siding (8-1/4 in. wide x 5/8 in. thick) was fastened to a 4 ft. x 8 ft. timber framing system constructed from 2 in. x 4 in. SPF lumber studs. The framing was secured together with (2) 16D nails at each connection. Sample material applied to wood framing with a 2-1/2in. by 0.092 in. diameter smooth shank nail (blind) 1 in. down from top edge at each stud location, and a 2-1/2 in. 16ga finish nail (face) 3/4 in. down from top edge at each stud location. Overlap was 1-1/4 in.

System 6 results:		
	Ultimate Load (positive)	Ultimate Load (negative)
16 in. on center	n/a	135 psf

ARTISAN® V-RUSTIC PREMIUM EXTERIOR SIDING

Artisan® V-Rustic Premium Exterior Siding has achieved the following ratings when tested in accordance with the corresponding standards:

Standard	Rating
ASTM C1186	Grade II, Type A, Non-Asbestos Fibre-Cement Flat Sheets
ASTM E84	Flame Spread Rating: 0 Smoke Developed Rating: 5
ISO 8336	Category A, Class 2, Level I
BS EN 12467	Category A, Class 2, Level I
ASTM E119 CAN/ULC S101	1 hour Fire Resistance Refer to Design No. JH/FCS 60-04
ASTM E136	Non-combustible

ASTM E330 Assemblies:

In addition to the ratings above, Artisan® V-Rustic Premium Exterior Siding has achieved performance ratings in accordance with ASTM E330 as described below.

System No.	Framing	Stud Spacing	Panel Fasteners	Fastener Spacing	Average Ultimate Negative Wind Load* (psf)
			0.092"	Blind-nail,	

7	Nominal 2"x4" SPF #2+BTR lumber	16"	shank diameter X 0.222" head diameter X 2" long corrosion-resistant nail	one fastener at each stud location along tongue and groove	99.9
8	Nominal 2"x4" SPF #2+BTR lumber	24"	0.092" shank diameter X 0.222" head diameter X 2" long corrosion-resistant nail	Blind-nail, one fastener at each stud location along tongue and groove	60.5
9	Nominal 2"x4" SPF #2+BTR lumber with 7/16" OSB sheathing and fastened with 3 in. 10d common nails spaced 4 in. o/c on perimeter and 8 in. o/c in-field	24"	0.090" shank diameter X 0.215" head diameter X 1½" long corrosion-resistant ring-shank nail	Every 6" o/c spacing along tongue and groove	189.4
10	Nominal 2"x4" DF-L	16"	No. 11ga. X 1-3/4" long roofing nail, blind-nail	Blind-nail, one fastener at each stud location	129
			No. 8 x 1.25" long x 0.375" HD ribbed	Blind-nail, one fastener at	

11	Nominal 2"x4" SPF	16"	wafer head screws, blind-nail on 3/4" thick x 3.5" wide SPF furring	each SPF furring (3/4" thick by 3.5" wide SPF furring)	162
12	20 GA Steel	16"	0.100" shank x 1.5" long x 0.250" HD ET&F pin; face -nailed	Face-nailed at each stud	220
13	20 GA Steel	16"	0.100" shank x 1.5" long x 0.313" HD ET&F pin; blind-nailed	Face-nailed at each stud	128
14	Douglas Fir 2"x4"	16"	0.092" shank x 0.222" HD x 3" long siding nail, face-nail	Face-nail, one fastener at each stud location	267
15	Douglas Fir 2"x4"	24"	0.092" shank x 0.222" HD x 3" long siding nail, face-nail	Face-nail, one fastener at each stud location	176

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Manufacturer To Apply Mark:**

None

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DRAWING INDEX

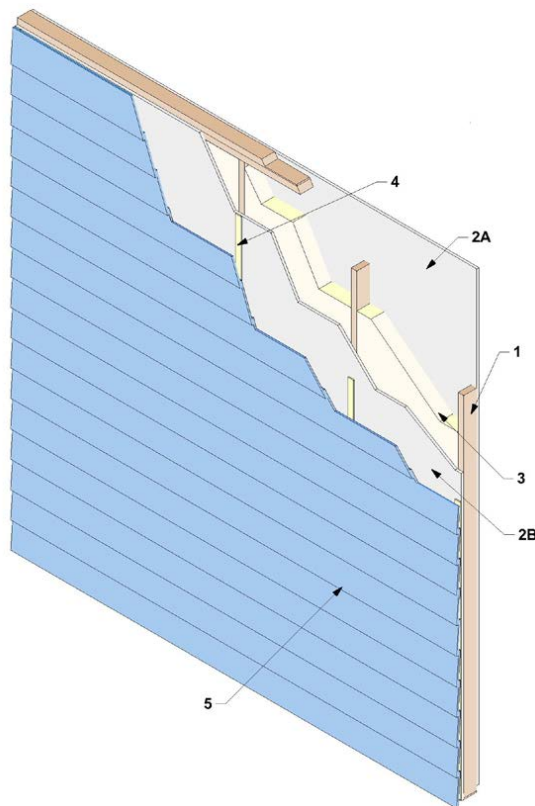
JH/FCS 60-04

JH/FCS 60-04

Division 07 – Thermal and Moisture Protection
 Page 07 46 00 Siding
 07 46 46 Fiber-Cement Siding

1 of 2

James Hardie Building Products
JH/FCS 60-04
HardiePlank® Lap Siding, Prevail® Lap Siding, HardiPlank® HZ5 Lap Siding , Artisan® Lap Siding, Artisan® V-Rustic Premium Exterior Siding and PreTone™ Plank Siding
Load-Bearing Wall Assembly, 70% Design Load



1. **Wood Studs** – Nominal 2 in. x 4 in. solid sawn wood studs located 24 in. on center (oc), with two top plates and a single bottom plate.
2. **Gypsum Wallboard, Side A** – 5/8 in. Type X gypsum wallboard, oriented vertically and fastened with 1-3/4 in. cup-head gypsum nails, spaced 7 in. oc at board edges and in field areas, or 1-1/2 in. Type S drywall screws, spaced 8 in. oc at board edges and in field areas of boards.
3. **Insulation (optional)** – R13 glass fiber batt insulation.

Gypsum Sheathing, Side B – 1/2 in. Type X or 5/8 in. Type X gypsum sheathing fastened with 1-3/4 in. long roofing nails spaced 7 in. oc. Sheathing edge joints shall be staggered from those on opposite sides of the wall.

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JH/FCS 60-04 (page 2 of 2)

Division 07 – Thermal and Moisture Protection Page

2 of 2

07 46 00 Siding

07 46 46 Fiber-Cement Siding

4. **Furring (optional)** – Min. 1.5 in. wide by 3/8 in. thick furring (Wood: Min. 0.42 s.g.; Metal: Corrosion Resistant

Exterior Siding or PreTone™ Plank Siding.

Min. 20 GA 33 ksi metal hat channel, z-girt or u-bar).

5. **CERTIFIED MANUFACTURER:** James Hardie Building Products Inc.

Fibre Cement Exterior Siding, Side B
– 5/16 in. thick HardiePlank® Lap Siding, Prevail Lap Siding, HardiePlank HZ5 Lap Siding, Artisan® Lap Siding, Artisan® V-Rustic Premium Exterior Siding or PreTone™ Plank Siding applied horizontally with a 1-1/4 in. headlap and fastened with a single 6d corrosion resistant common nail driven through the lapped planks at each stud location.

CERTIFIED PRODUCT: HardiePlank® Lap Siding, Prevail® Lap Siding, HardiePlank® HZ5 Lap Siding, Artisan® Lap Siding, Artisan® V-Rustic Premium

Please refer to the James Hardie HardiePlank® Lap Siding, Prevail® Lap Siding, HardiePlank® HZ5 Lap Siding, Artisan® Lap Siding and PreTone™ product certification listings on www.spec-direct.com for the current Design Listing information. This is an uncontrolled copy.



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