

# CERTIFICATE OF APPROPRIATENESS APPLICATION FORM

Incomplete applications will not be processed for Commission review.

Please print legibly.

lioing with history 1. HISTORIC NAME OF PROPERTY OR HISTORIC DISTRICT: (if known) ADDRESS OF PROPERTY: 2. NAME AND ADDRESS OF OWNER: Name(s): Address: ZIP: City: State: Email: Telephone number (area code & number) Daytime: Evening: 3. **APPLICANT, AGENT OR CONTRACTOR:** (if different from owner) Name(s): Address: City: State: ZIP Code: Email: Telephone number (area code & number) Daytime: Evening: 4. ATTACHMENTS: (Because projects can vary in size and scope, please call the HPC Office at 414-286-5712 for submittal requirements) Α. **REQUIRED FOR MAJOR PROJECTS:** Photographs of affected areas & all sides of the building (annotated photos recommended) Sketches and Elevation Drawings (1 full size and 1 reduced to 11" x 17" or 8 1/2" x 11") A digital copy of the photos and drawings is also requested. Material and Design Specifications (see next page)

## B. NEW CONSTRUCTION ALSO REQUIRES:

Floor Plans (1 full size and 1 reduced to a maximum of 11" x 17")

Site Plan showing location of project and adjoining structures and fences

PLEASE NOTE: YOUR APPLICATION CANNOT BE PROCESSED UNLESS
BOTH PAGES OF THIS FORM ARE PROPERLY COMPLETED
AND SIGNED.

### 5. DESCRIPTION OF PROJECT:

Tell us what you want to do. Describe all proposed work including materials, design, and dimensions. Additional pages may be attached via email.

# 6. SIGNATURE OF APPLICANT:

Signature

Please print or type name

Date

This form and all supporting documentation MUST arrive by 4:00 pm (11:59 pm via email) on the deadline date established to be considered at the next Historic Preservation Commission Meeting. Any information not provided to staff in advance of the meeting will not be considered by the Commission during their deliberation. Please call if you have any questions and staff will assist you.

Mail or Email Form to:

Historic Preservation Commission City Clerk's Office 841 N. Broadway, Rm. B1 Milwaukee, WI 53202

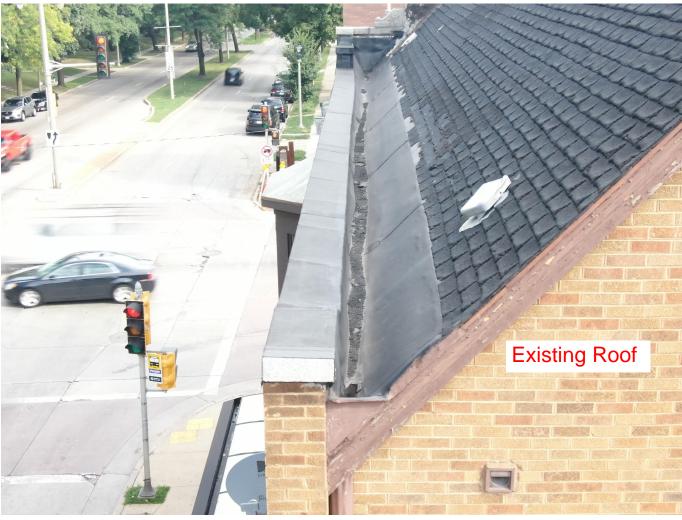
PHONE: (414) 286-5712 or 286-5722 hpc@milwaukee.gov www.milwaukee.gov/hpc

Or click the SUBMIT button to automatically email this form for submission.

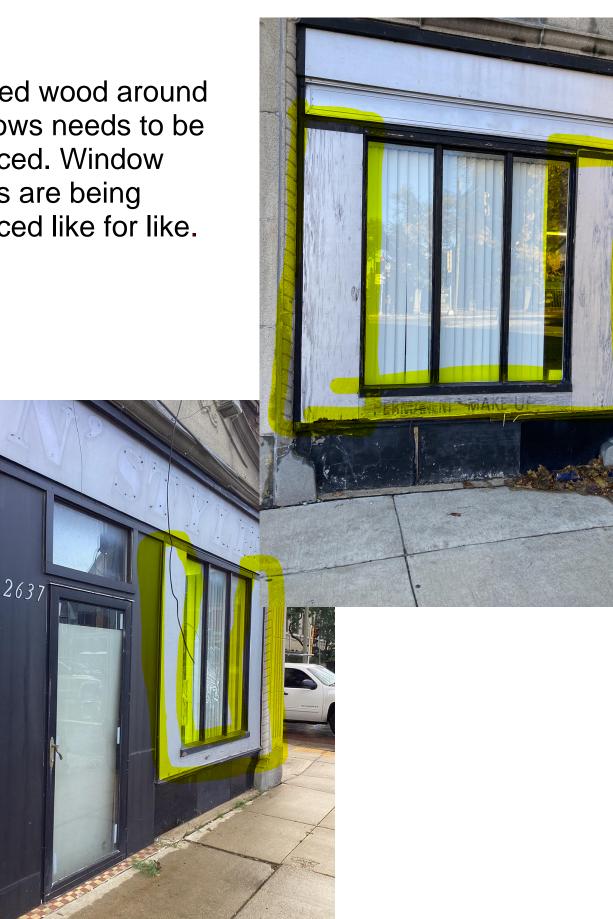




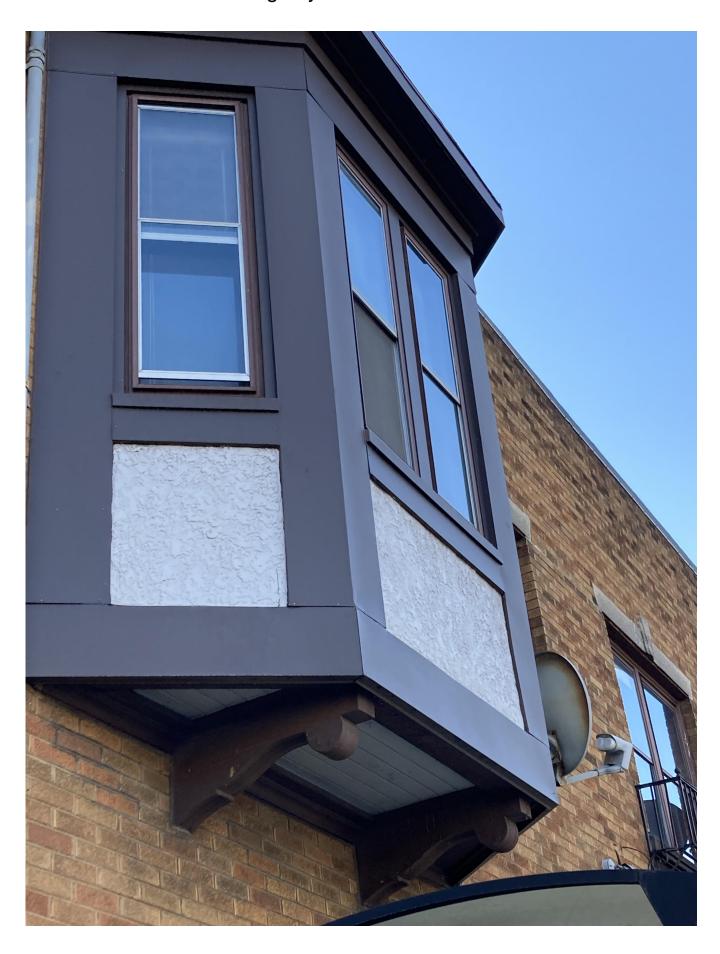




Painted wood around windows needs to be replaced. Window panes are being replaced like for like.



Existing textured panels on 2nd story bay window facing Layton Blvd.





W227N4755 Duplainville Road Pewaukee, WI 53072 Ph: (262) 650-7200 dgalando@kdglass.com

To: CG Schmidt Date: 8/8/22

Attn: Brad Schmidt // Jared Matteson

Address: 11777 West Lake Park Drive, Milwaukee, WI 53224 Project: Notre Dame – Corner Building Glass Replacement

We are sending you submittals: Physical Samples

# **Quantity and Description of Samples:**

1) (2) 1" Insulated Glass Samples

- Makeup: ¼" Clear Solarban 60 #2 Tempered, ½" airspace, ¼" Clear Tempered

# This is the replacement glass type



These are transmitted for: **Review and Approval** (Please note if approved or rejected)

## **Remarks:**

Project Manager

**David Galando** 

# **Hardie**Panel®

# HardiePanel® Vertical Siding Product Description

HardiePanel® vertical siding is factory-primed fiber-cement vertical siding available in a variety of sizes and textures. Examples of these are shown below. Textures include smooth, stucco, Cedarmill® and Sierra 8. HardiePanel vertical siding is 5/16 in. thick and is available in 4x8, 4x9 and 4x10 sizes. Please see your local James Hardie dealer for texture and size availability.

HardiePanel vertical siding is available as a prefinished James Hardie® product with ColorPlus® Technology. The ColorPlus coating is a factory applied, oven baked finish available on a variety of James Hardie siding and trim products. See your local dealer for availability of products, color and accessories.



Stucco



Sierra 8



Cedarmill®



Smooth



# Installation of HardiePanel® Vertical Siding

Finishing and Maintenance

HardieWrap<sup>®</sup> Weather Barrier

HardieTrim<sup>®</sup> Boards/Battens

HardiePlank<sup>®</sup> Lap Siding

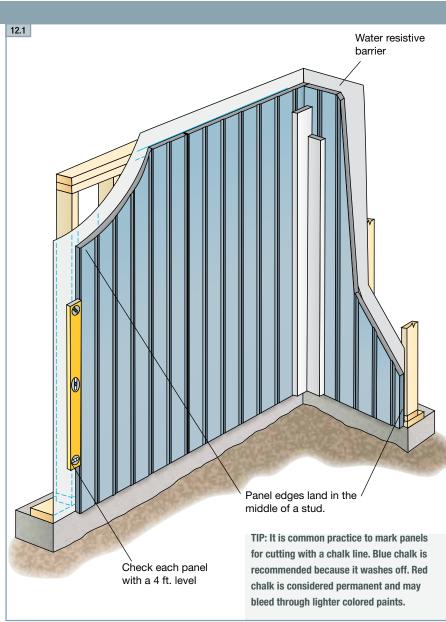
HardieShingle<sup>®</sup> Siding

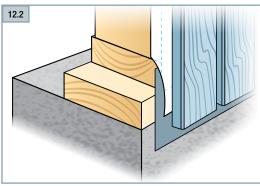
Note: James Hardie has a capillary break requirement when installing HardiePanel on a Multi-Family/ Commercial project. Please visit: www.jameshardiepros.com for further information.

## **GETTING STARTED**

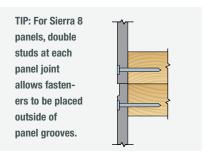
First locate the lowest point of the sheathing or sill plate, and begin. installation on that wall.

- 1. Measure up from the sill plate the height of the panels at either end of the wall and snap a straight, level chalk line between the marks as a reference line. That line is for guidance in positioning the top edge of the panels. Check the reference line with a 4 ft. level.
- 2. Starting on one end and working across the wall, measure and trim the first panel making sure that the edge falls in the middle of a stud.
- 3. Using the chalk line as a guide along the panel's top edge, carefully position the panel and secure it with suitable fasteners and fastener spacing for the particular application as noted in the ESR-1844.
- 4. As installation continues, check the vertical edge of each panel with a 4 ft. level.





TIP: Install flashing over the footing/foundation and extend the panel over the flashing just below the sill plate. Do not extend siding beyond the required grade clearances.



# **VERTICAL JOINT TREATMENT**

Treat vertical joints in HardiePanel® vertical siding by using one of the following four methods:

- 1. Install the panels in moderate contact.
- 2. Leave an appropriate gap between panels (1/8 in. is the most common), and caulk using a high-quality paintable caulk, that meets ASTM C-834 or C-920 requirements. (Not recommended for ColorPlus)

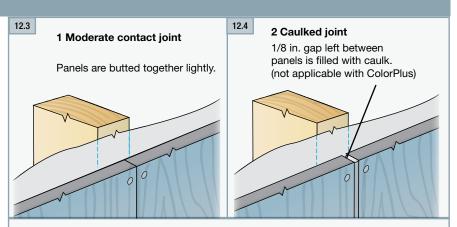
Panels may be installed first with caulk applied in the joints after installation; or as an option, after the first panel is installed, apply a bead of caulk along the panel edge. When the next panel is installed against the first, the edge embeds in the applied caulk creating a thorough seal between the edges of the panels.



The caulk joint method is not recommended for the ColorPlus® products

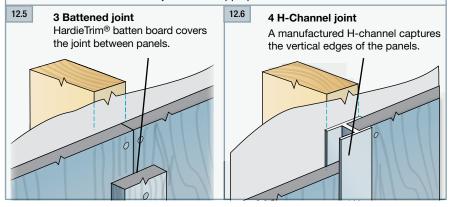
- 3. Vertical joints may be covered with wood or fiber-cement batten strips. If James Hardie® siding or trim products are ripped and used as batten strips, paint or prime the cut edges. Batten strips should span the vertical joint by at least  $^{3\!4}$  in. on each side.
- 4. Metal or PVC "H" moldings can be used to join two sections of HardiePanel siding.

TIP: Stainless steel fasteners are recommended when installing James Hardie products.



Note: The following outlines the recommended applications for ColorPlus and Primed panels. Not all designs will be suitable for every application:

- Exposed fasteners or battens is the recommended application for ColorPlus products
- Do not use touch-up over fastener heads for smooth ColorPlus products primed panel recommended
- For ColorPlus panel applications that require fasteners in the field, it is acceptable to use touch-up over fasteners for Cedarmill and Stucco panel only, but correct touch-up application is important. Some colors may show touch-up when applied over fasteners. Trim is recommended to cover joints when appropriate.



## HARDIEPANEL SIDING FASTENER SPECIFICATIONS

The Fastener Specifications table shows fastener options for a variety of different nailing substrates. Please refer to the applicable ESR report online (see back page) to determine which fastener meets your wind load

4d common — 6d common	.113 in x .267 in x 1.5 in .113 in x .267 in x 2 in	Approved Fastener  1 2 5 9	16 in o.c.	Fastening Substrate wood studs
ring shank siding nail roofing nail	.091 in. x .225 in x 1.5 in  No. 11ga 1.25 in long	129	24 in o.c.	
s (.323 in x 1 in)  ET&F	Ribbed Bugle-Head No. 8 (	7 13	16 in o.c or 24 in o.c.	steel studs
	.100 in x .25 in x 1.5 in	111		

# Installation of HardiePanel® Vertical Siding (cont.)

/orking Safely

Tools for Sutting and Fastening

General Installation Requirements

General Fastener Requirements

Finishing and Maintenance

HardieWrap<sup>®</sup> Weather Barrier

HardieTrim<sup>®</sup> Boards/Battens

> HardieSoffit<sup>©</sup> Panels

HardiePlank<sup>®</sup> Lap Siding

anel<sup>®</sup> HardieShingle<sup>®</sup> Siding

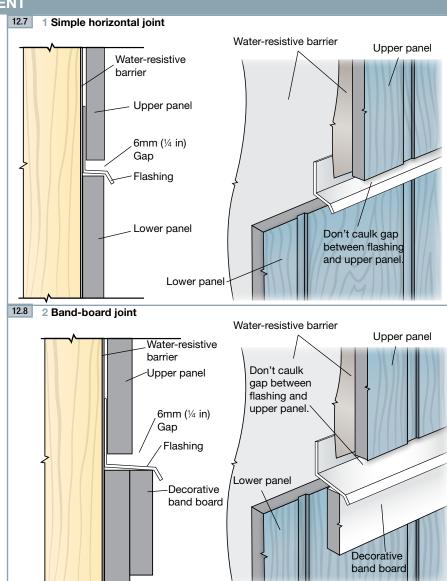
Appendix/ Glossary

ESR-1844 & 2290 Report

# HORIZONTAL JOINT TREATMENT

In some applications such as multi-story structures or at gable ends, it may be necessary to stack HardiePanel® siding. The horizontal joints created between panels must be flashed properly to minimize water penetration. Treat horizontal panel joints by using one of the following methods:

- 1. After installing the lower course of panel siding, install vinyl or coated aluminum "Z" flashing at the top edge of the panel. Make sure that the flashing is sloped away from the wall and does not rest flat on the top edge of the panel. Install the second level or gable panels leaving a 1/4 in. minimum gap between the bottom of the panel and the Z flashing. This gap should never be caulked.
- As an alternative, if a horizontal band board is used at the horizontal joint, flashing must extend over the panel edge and trim attachment. Flashing for both treatments must slip behind the water-resistive barrier.



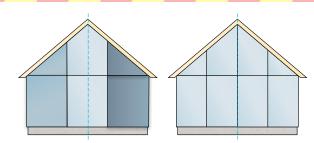
TIP: For best looking installation of HardiePanel Select Sierra 8 siding, carefully align vertical panel grooves at 1st to 2nd story or gable junctures.

# lack

# **WARNING**

Do not bridge floors with panel siding. A horizontal joint shall always be created between floors.

TIP: For the most symmetrical looking wall, plan the installation so that a full panel is centered on the wall or gable with equal-size panels cut for each end. As an alternative, plan the installation so that a full panel is located on either side of the wall center, again leaving equal-size panels on each end. These strategies might entail a centered framing layout. Choose the strategy that looks the best and uses material most efficiently.



# WINDOWS, DOORS, AND OTHER WALL PENETRATIONS

In panel installations, trim is typically overlaid on top of the panel. Special attention needs to be paid to trim flashing at the tops of openings. Below is one method for properly flashing trim in a panel application:

- 1. After installing the window, cut and install a ¼ in thick shim above the window. The shim should be the same width as the trim, and it should be as long as the width of the window.
- 2. Over the shim, install flashing wide enough to cover thickness of the trim and long enough to cover the trim head piece.
- 3. Install the panel to the window and around the shim taking care not to damage the flashing and leaving a ¼ in gap between the panel and the horizontal part of the flashing.
- 4. Install the trim around the window, slipping the head piece under the installed flashing.









# HardiePanel® Vertical Siding

SINGLE FAMILY INSTALLATION REQUIREMENTS

**EFFECTIVE SEPTEMBER 2019** 

IMPORTANT: FAILURE TO FOLLOW JAMES HARDIE WRITTEN INSTALLATION INSTRUCTIONS AND COMPLY WITH APPLICABLE BUILDING CODES MAY VIOLATE LOCAL LAWS, AFFECT BUILDING ENVELOPE PERFORMANCE AND MAY AFFECT WARRANTY COVERAGE. FAILURE TO COMPLY WITH ALL HEALTH AND SAFETY REGULATIONS WHEN CUTTING AND INSTALLING THIS PRODUCT MAY RESULT IN PERSONAL INJURY. BEFORE INSTALLATION, CONFIRM YOU ARE USING THE CORRECT HARDIEZONE® PRODUCT INSTRUCTIONS BY VISITING HARDIEZONE.COM OR CALL 1-866-942-7343 (866-9-HARDIE)

## STORAGE & HANDLING:

Store flat and keep dry and covered prior to installation. Installing siding wet or saturated may result in shrinkage at butt joints. Carry planks on edge. Protect edges and corners from breakage. James Hardie is not responsible for damage caused

by improper storage and handling of the product.



# **CUTTING INSTRUCTIONS**

#### 1. Position cutting station so that airflow blows dust away from the user and others near the cutting area.

2. Cut using one of the following methods:

**OUTDOORS** 

Circular saw equipped with a HardieBlade® saw blade and attached vacuum dust collection system. Shears (manual, pneumatic or electric) may also be used, not recommended for products thicker than 7/16 in.

h Better: Circular saw equipped with a dust collection feature (e.g. Roan® saw) and a HardieBlade saw blade.

c. Good: Circular saw equipped with a HardieBlade saw blade.

### INDOORS

DO NOT grind or cut with a power saw indoors. Cut using shears (manual, pneumatic or electric) or the score and snap method, not recommended for products thicker than 7/16 in.

- DO NOT dry sweep dust; use wet dust suppression or vacuum to collect dust.
- For maximum dust reduction, James Hardie recommends using the "Best" cutting practices. Always follow the equipment manufacturer's instructions for proper operation.
- For best performance when cutting with a circular saw, James Hardie recommends using HardieBlade® saw blades.
- Go to jameshardiepros.com for additional cutting and dust control recommendations.

IMPORTANT: The Occupational Safety and Health Administration (OSHA) regulates workplace exposure to silica dust. For construction sites, OSHA has deemed that cutting fiber cement with a circular saw having a blade diameter less than 8 inches and connected to a commercially available dust collection system per manufacturer's instructions results in exposures below the OSHA Permissible Exposure Limit (PEL) for respirable crystalline silica, without the need for additional respiratory protection.

If you are unsure about how to comply with OSHA silica dust regulations, consult a qualified industrial hygienist or safety professional, or contact your James Hardie technical sales representative for assistance. James Hardie makes no representation or warranty that adopting a particular cutting practice will assure your compliance with OSHA rules or other applicable laws and safety requirements.

### **GENERAL REQUIREMENTS:**

- These instructions to be used for single family installations only. \*\*For Commercial / Multi-Family installation requirements go to www.JamesHardieCommercial.com
- HardiePanel® vertical siding can be installed over braced wood or steel studs, 20 gauge (33 mils) minimum to 16 gauge (54 mils) maximum, spaced a maximum of 24 in o.c. or directly to minimum 7/16 in thick OSB sheathing. See General Fastening Requirements. Irregularities in framing and sheathing can mirror through the finished application. Correct irregularities before installing siding.
- Information on installing James Hardie products over non-nailable substrates (ex: gypsum, foam,etc.) can be located in JH Tech Bulletin 19 at www.jamehardie.com
- A water-resistive barrier is required in accordance with local building code requirements. The water-resistive barrier must be appropriately installed with penetration and junction flashing in accordance with local building code requirements. James Hardie will assume no responsibility for water infiltration. James Hardie does manufacture HardieWrap® Weather Barrier, a non-woven non-perforated housewrap1, which complies with building code requirements.
- Adjacent finished grade must slope away from the building in accordance with local building codes typically a minimum of 6 in. in the first 10 ft.
- Do not use HardiePanel lap siding in Fascia or Trim applications.
- Do not install James Hardie products, such that they may remain in contact with standing water.
- HardiePanel vertical siding may be installed on flat vertical wall applications only.
- For larger projects, including commercial and multi-family projects, where the span of the wall is significant in length, the designer and/or architect should take into consideration the coefficient of thermal expansion and moisture movement of the product in their design. These values can be found in the Technical Bulletin "Expansion Characteristics of James Hardie® Siding Products" at www.jameshardie.com.
- James Hardie Building Products provides installation /wind load information for buildings with a maximum mean roof height of 85 feet. For information on installations above 60 feet, please contact JH technical support.
- Minimum standard panel design size is 12" x 16". Note: Panels may be notched and cut to size to fit between windows, doors, corners, etc.

#### (Caulking Joints is Figure 1 not applicable to sheathing Figure 2 ColorPlus® Finish) **Batten Joint** "H" Joint Caulk Joint water-resistive HardiePanel water-resistive barrier water-resistive barrier water-resistive barrier barrier 2 x 4 stud 2 x 4 stud 2 x 4 stud 0 C moderate contact leave appropriate gap between

\*Apply caulk in accordance with caulk manufacturer's written application instructions.

\*\*James Hardie recommends installing a rainscreen (an air gap) between the HardiePanel siding and the water-resistive barrier as a best practice. James Hardie recommends that you consult your design professional if you have questions regarding the use of rainscreen on your single family project ¹For additional information on HardieWrap™ Weather Barrier, consult James Hardie at 1-866-4Hardie or www.hardiewrap.com

## **INSTALLATION:**

#### **Fastener**

Position fasteners 3/8 in from panel edges and no closer than 2 in away from corners. Do not nail into corners.

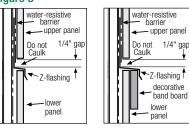
- · HardiePanel vertical siding must be joined on stud.
- Double stud may be required to maintain minimum edge nailing distances.
- When screws are used to attach panels to steel studs/furring, the screws shall have wing tips. If screws do not have wing tips, then pre-drilling is required. (Not applicable when using pins) Follow chart below for pre-drilling:

SCREW	PRE-DRILL	HEAD DIAMETER
No. 8	7/32 in	Min 0.323 in
No. 10	1/4 in	Min 0.323 in

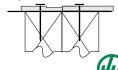
## Joint Treatment

- · Vertical Joints Install panels in moderate contact (fig. 1), alternatively joints may also be covered with battens, PVC or metal jointers or caulked (Not applicable to ColorPlus® Finish) (fig. 2).
- Horizontal Joints Provide Z-flashing at all horizontal joints (fig. 3).

#### Figure 3



# Figure 4



Recommendation: When installing Sierra 8, provide a double stud at panel joints to avoid nailing through grooves.



SMOOTH | CEDARMILL® | STUCCO | SIERRA 8

Visit jameshardiepros.com for the most recent version.

HS1237 P1/3 09/19



## **CLEARANCE AND FLASHING REQUIREMENTS**

Figure 3
Roof to Wall

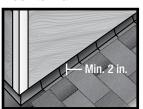


Figure 4 Horizontal Flashing

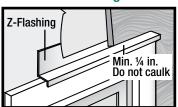


Figure 5
Kickout Flashing



Figure 6 Slabs, Path, Steps to Siding



Figure 7

Deck to Wall

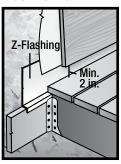


Figure 8
Ground to Siding

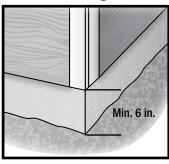


Figure 9
Gutter to Siding



Figure 10 Sheltered Areas

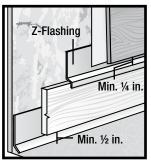


Figure 11 Mortar/Masonry

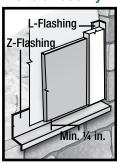


Figure 12 **Drip Edge** 

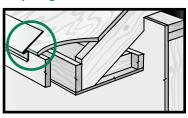


Figure 13
Block Penetration

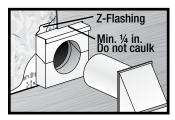
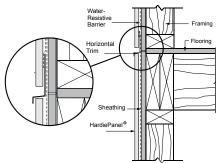


Figure 14 Valley/Shingle Extension



Do not bridge floors with HardiePanel® siding. Horizontal joints should always be created between floors, see below).



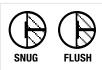
# GENERAL FASTENING REQUIREMENTS

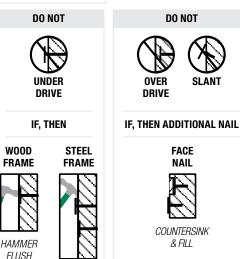
Refer to the applicable ESR report online to determine which fastener meets your wind load design criteria.

Fasteners must be corrosion resistant, galvanized, or stainless steel. Electro-galvanized are acceptable but may exhibit premature corrosion. James Hardie recommends the use of quality, hot-dipped galvanized nails. James Hardie is not responsible for the corrosion resistance of fasteners. Stainless steel fasteners are recommended when installing James Hardie® products near the ocean, large bodies of water, or in very humid climates.

Manufacturers of ACQ and CA preservative-treated wood recommend spacer materials or other physical barriers to prevent direct contact of ACQ or CA preservative-treated wood and aluminum products. Fasteners used to attach HardieTrim Tabs to preservative-treated wood shall be of hot dipped zinc-coated galvanized steel or stainless steel and in accordance to 2009 IRC R317.3 or 2009 IBC 2304.9.5

- Consult applicable product evaluation or listing for correct fasteners type and placement to achieve specified design wind loads.
- NOTE: Published wind loads may not be applicable to all areas where Local Building Codes have specific jurisdiction. Consult James Hardie Technical Services if you are unsure of applicable compliance documentation.
- · Drive fasteners perpendicular to siding and framing.
- Fastener heads should fit snug against siding (no air space).
- NOTE: Whenever a structural member is present, HardiePanel® should be fastened with even spacing to the structural member. The tables allowing direct to OSB or plywood should only be used when traditional framing is not available.





REMOVE &

REPLACE





## PNEUMATIC FASTENING

James Hardie products can be hand nailed or fastened with a pneumatic tool. Pneumatic fastening is highly recommended. Set air pressure so that the fastener is driven snug with the surface of the siding. A flush mount attachment on the pneumatic tool is recommended. This will help control the depth the nail is driven. If setting the nail depth proves difficult, choose a setting that under drives the nail. (Drive under driven nails snug with a smooth faced hammer - Does not apply for installation to steel framing).

#### **CUT EDGE TREATMENT**

Caulk, paint or prime all field cut edges. James Hardie touch-up kits are required to touch-up ColorPlus products.

### CAULKING

For best results use an Elastomeric Joint Sealant complying with ASTM C920 Grade NS, Class 25 or higher or a Latex Joint Sealant complying with ASTM C834. Caulking/Sealant must be applied in accordance with the caulking/sealant manufacturer's written instructions. **Note: some caulking manufacturers do not allow "tooling".** 

## **PAINTING**

DO NOT use stain, oil/alkyd base paint, or powder coating on James Hardie® products. James Hardie products must be painted within 180 days for primed product and 90 days for unprimed. 100% acrylic topcoats are recommended. Do not paint when wet. For application rates refer to paint manufacturers specifications. Back-rolling is recommended if the siding is sprayed.

# PAINTING JAMES HARDIE® SIDING AND TRIM PRODUCTS WITH COLORPLUS® TECHNOLOGY

When repainting ColorPlus products, James Hardie recommends the following regarding surface preparation and topcoat application:

- Ensure the surface is clean, dry, and free of any dust, dirt, or mildew
- · Repriming is normally not necessary
- 100% acrylic topcoats are recommended
- DO NOT use stain, oil/alkyd base paint, or powder coating on James Hardie® Products.
- · Apply finish coat in accordance with paint manufacturers written instructions regarding coverage, application methods, and application temperature
- DO NOT caulk nail heads when using ColorPlus products, refer to the ColorPlus touch-up section

## COLORPLUS® TECHNOLOGY CAULKING, TOUCH-UP & LAMINATE

- Care should be taken when handling and cutting James Hardie ColorPlus® products. During installation use a wet soft cloth or soft brush to gently wipe off any residue or construction dust left on the product, then rinse with a garden hose.
- Touch up nicks, scrapes and nail heads using the ColorPlus® Technology touch-up applicator. Touch-up should be used sparingly. If large areas require touch-up, replace the damaged area with a new piece of siding with ColorPlus® Technology.
- Laminate sheet must be removed immediately after installation of each course.
- Terminate non-factory cut edges into trim where possible, and caulk. Color matchedcaulks are available from your ColorPlus® product dealer.
- Treat all other non-factory cut edges using the ColorPlus Technology edge coaters, available from your ColorPlus product dealer.

Note: James Hardie does not warrant the usage of third party touch-up or paints used as touch-up on James Hardie ColorPlus products.

Problems with appearance or performance arising from use of third party touch-up paints or paints used as touch-up that are not James Hardie touch-up will not be covered under the James Hardie ColorPlus Limited Finish Warranty.

HS1237 P3/3 09/19

**LICA WARNIN** 

DANGER: May cause cancer if dust from product is inhaled. Causes damage to lungs and respiratory system through prolonged or repeated inhalation of dust from product. Refer to the current product Safety Data Sheet before use. The hazard associated with fiber cement arises from crystalline silica present in the dust generated by activities such as cutting, machining, drilling, routing, sawing, crushing, or otherwise abrading fiber cement, and when cleaning up, disposing of or moving the dust. When doing any of these activities in a manner that generates dust you must (1) comply with the OSHA standard for silica dust and/or other applicable law, (2) follow James Hardie cutting instructions to reduce or limit the release of dust; (3) warn others in the area to avoid breathing the dust; (4) when using mechanical saw or high speed cutting tools, work outdoors and use dust collection equipment; and (5) if no other dust controls are available, wear a dust mask or respirator that meets NIOSH requirements (e.g. N-95 dust mask). During clean-up, use a well maintained vacuum and filter appropriate for capturing fine (respirable) dust or use wet clean-up methods - never dry sweep.

A WARNING: This product can expose you to chemicals including respirable crystalline silica, which is known to the State of California to cause cancer. For more information go to P65Warnings.ca.gov.

RECOGNITION: In accordance with ICC-ES Evaluation Report ESR-1844, HardiePanel® vertical siding is recognized as a suitable alternate to that specified in the 2006, 2009, 2012 & 2015 International Residential Code for One-and Two-Family Dwellings and the 2006, 2009, 2012 & 2015 International Building Code. HardiePanel vertical siding is also recognized for application in the following: City of Los Angeles Research Report No. 24862, State of Florida Product Approval Ft.#13223, Miami-Dade County Florida NOA No. 17-0406.06, U.S. Dept. of HUD Materials Release 1263f, Texas Department of Insurance Product Evaluation EC-23, City of New York MEA 223-93-M, and California DSA PA-019. These documents should also be consulted for additional information concerning the suitability of this product for specific applications.

