

# HardieTrim<sup>®</sup> *HT5* & *HT10* Crown Moulding Boards



EFFECTIVE AUGUST 2009

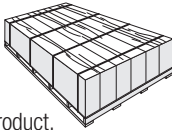
Visit [www.jameshardie.com](http://www.jameshardie.com) for the most recent version.

## INSTALLATION REQUIREMENTS - PRIMED & COLORPLUS<sup>®</sup> PRODUCTS

**IMPORTANT: FAILURE TO INSTALL AND FINISH THIS PRODUCT IN ACCORDANCE WITH APPLICABLE BUILDING CODES AND JAMES HARDIE WRITTEN APPLICATION INSTRUCTIONS MAY LEAD TO PERSONAL INJURY, AFFECT SYSTEM PERFORMANCE, VIOLATE LOCAL BUILDING CODES, AND VOID THE PRODUCT ONLY WARRANTY. BEFORE INSTALLATION, CONFIRM THAT YOU ARE USING THE CORRECT HARDIEZONE INSTRUCTIONS. INSTALLATION OF HT10<sup>™</sup> PRODUCTS OUTSIDE AN HT10<sup>™</sup> LOCATION WILL VOID YOUR WARRANTY. TO DETERMINE WHICH HARDIEZONE APPLIES TO YOUR LOCATION, VISIT [WWW.HARDIEZONE.COM](http://WWW.HARDIEZONE.COM) OR CALL 1-866-942-7343 (866 9HARDIE)**

### STORAGE & HANDLING:

Store flat and keep dry and covered prior to installation. Installing trim wet or saturated may result in shrinkage at butt joints. Carry boards 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

#### OUTDOORS

1. Position cutting station so that wind will blow dust away from user and others in working area.
2. Use one of the following methods:

- b. Better:
  - i. Dust reducing circular saw equipped with a HardieBlade<sup>®</sup> saw blade and HEPA vacuum extraction
- c. Good:
  - i. Dust reducing circular saw with a HardieBlade saw blade (only use for low to moderate cutting)

#### INDOORS

- NEVER use a power saw indoors
- NEVER use a circular saw blade that does not carry the HardieBlade saw blade trademark
- NEVER dry sweep – Use wet suppression or HEPA Vacuum

Important Note: For maximum protection (lowest respirable dust production), James Hardie recommends always using "Best"-level cutting methods where feasible.

NIOSH-approved respirators can be used in conjunction with above cutting practices to further reduce dust exposures. Additional exposure information is available at [www.jameshardie.com](http://www.jameshardie.com) to help you determine the most appropriate cutting method for your job requirements. If concern still exists about exposure levels or you do not comply with the above practices, you should always consult a qualified industrial hygienist or contact James Hardie for further information.

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**HardieTrim<sup>®</sup> crown moulding board is a decorative non-load bearing trim product.**

### GENERAL REQUIREMENTS:

- Wood or steel backing must be provided for attaching HardieTrim<sup>®</sup> crown moulding boards.
- When installing James Hardie products all clearance details must be followed.
- HardieTrim crown moulding must be fastened to a solid nailable substrate.
- Flashing is required over all horizontal protruding and exposed trim.
- DO NOT use stain on James Hardie<sup>®</sup> products.
- DO NOT use HardieTrim crown moulding as fascia.

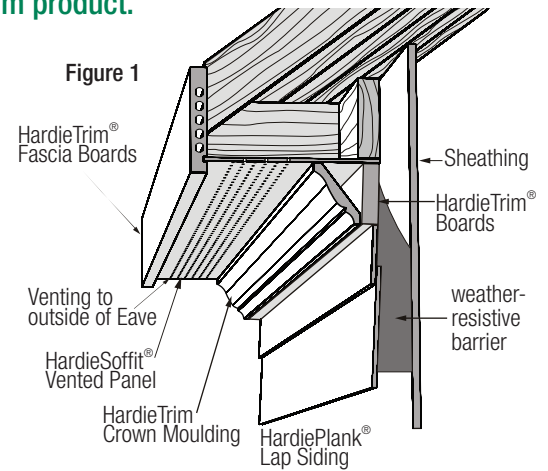
### INSTALLATION

#### Fastener Requirements

2.5" minimum 16 ga. finish nails are required for installing HardieTrim crown moulding boards. ET&F or equivalent fasteners may be used to attach HardieTrim crown moulding boards to steel frame construction.

Position nails no closer than 0.5" from the edges and 1" from ends of the moulding and spaced a maximum of 16" o.c. Ensure trim is adequately fastened.

James Hardie recommends using stainless steel finish nails when installing HardieTrim products.



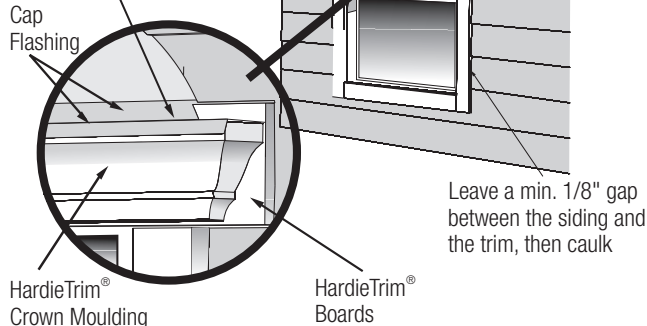
### CLEARANCES/FLASHINGS

Figure 2

Note: a cap flashing is required for all cornice details.

Maintain 1/4" clearance between plank and cap flashing. Do not caulk along top edge (refer to fig. 3)

Cap Flashing



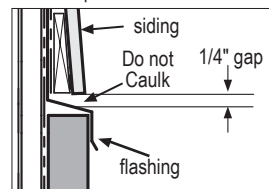
HardieTrim<sup>®</sup> Crown Moulding

HardieTrim<sup>®</sup> Boards

### HORIZONTAL FLASHING

Figure 3

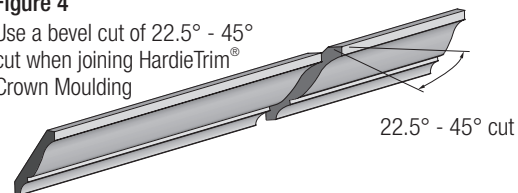
Maintain a 1/4" clearance between the bottom of James Hardie<sup>®</sup> products and horizontal flashing. Do not caulk gap.



### BUTT JOINTS

Figure 4

Use a bevel cut of 22.5° - 45° cut when joining HardieTrim<sup>®</sup> Crown Moulding



### WARNING: AVOID BREATHING SILICA DUST

James Hardie<sup>®</sup> products contain respirable crystalline silica, which is known to the State of California to cause cancer and is considered by IARC and NIOSH to be a cause of cancer from some occupational sources. Breathing excessive amounts of respirable silica dust can also cause a disabling and potentially fatal lung disease called silicosis, and has been linked with other diseases. Some studies suggest smoking may increase these risks. During installation or handling: (1) work in outdoor areas with ample ventilation; (2) use fiber cement shears for cutting or, where not feasible, use a HardieBlade<sup>®</sup> saw blade and dust-reducing circular saw attached to a HEPA vacuum; (3) warn others in the immediate area; (4) wear a properly-fitted, NIOSH-approved dust mask or respirator (e.g. N-95) in accordance with applicable government regulations and manufacturer instructions to further limit respirable silica exposures. During clean-up, use HEPA vacuums or wet cleanup methods - never dry sweep. For further information, refer to our installation instructions and Material Safety Data Sheet available at [www.jameshardie.com](http://www.jameshardie.com) or by calling 1-800-9HARDIE (1-800-942-7343). FAILURE TO ADHERE TO OUR WARNINGS, MSDS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY OR DEATH.

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### FRIEZE BOARDS & RAKE TRIM

HardieTrim® crown molding boards can be used as frieze boards or rake trim. (fig. 5 & 6)

Figure 5

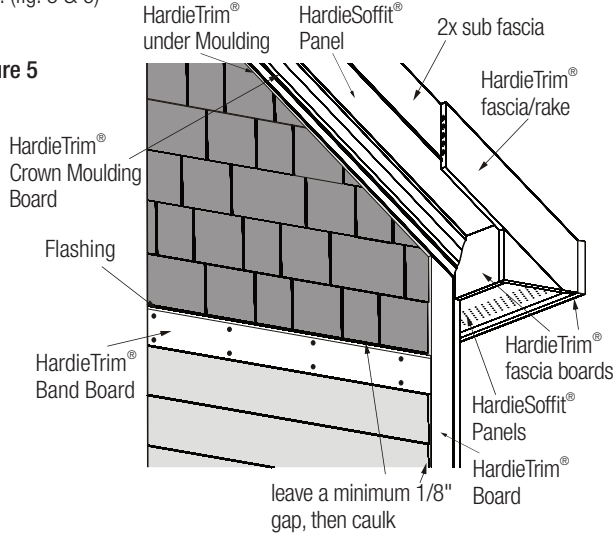
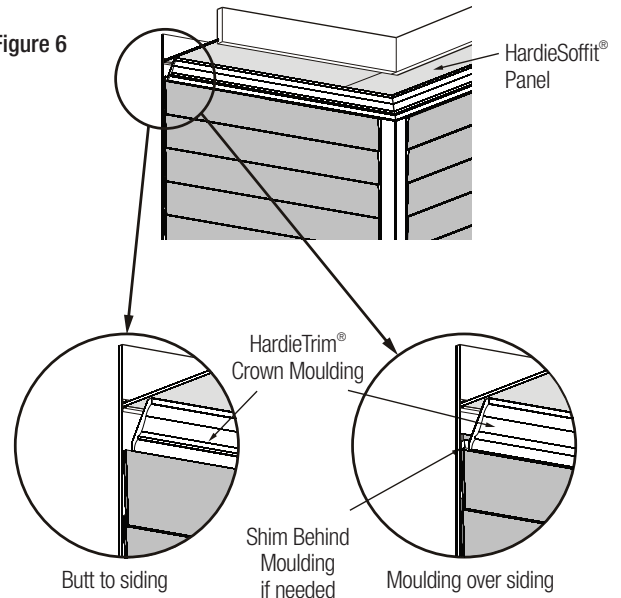


Figure 6



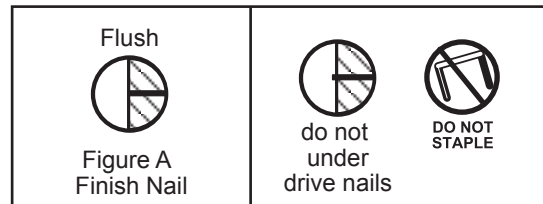
### GENERAL FASTENING REQUIREMENTS

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.

- Drive fasteners perpendicular to trim and framing.
- Do not over-drive nail heads or drive nails at an angle.
- If nail is countersunk, caulk nail hole and add a nail.
- For wood framing, under driven nails should be hit flush to the trim with a hammer (For steel framing, remove and replace nail).
- **Do not use aluminum fasteners, staples, or clipped head nails.**

### PNEUMATIC FASTENING

HardieTrim® Crown Moulding boards can be hand nailed or fastened with a pneumatic tool. Pneumatic fastening is highly recommended. Finish nails should be driven flush to the trim (fig. A). When using siding nails set air pressure so that the fastener is driven snug with the surface of the siding (fig. B). 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).



### 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 or ASTM C1193.

### PAINTING

DO NOT use stain 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.

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

- Touch up nicks, scrapes and nail heads using the ColorPlus® Technology touch-up applicator. Touch-up paint should be used sparingly. If large areas require touch-up, replace the damaged area with new HardieTrim® Crown Moulding boards with ColorPlus Technology.
- Laminate sheet must be removed immediately after installation of each trim board.
- Terminate non-factory cut edges into trim where possible, and caulk. Color matched caulks 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.

### 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 or oil/alkyd based paints
- Apply finish coat in accordance with paint manufacturers written instructions regarding coverage, application methods, and application temperature

RECOGNITION: HardieTrim boards may be installed as an equal alternative to conventional trim permitted for use in; the 1997 Uniform Building Code, Section 601.5.5; the 1997 Standard Building Code, Section 1404.1; the 1999 BOCA National Building Code, Section 1407.2.2; 2003 International Building Code, Section 1402.1, the 2003 International Residence Code for One - and Two - Family - Dwellings, Section R703.1, the 2003 International Residence Code for One - and Two - Family - Dwellings, Section R703.1, and the 1998 International One-and -Two -Family Dwelling Code, Section 601.1.

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Additional Installation Information, Warranties, and Warnings are available at [www.jameshardie.com](http://www.jameshardie.com)

