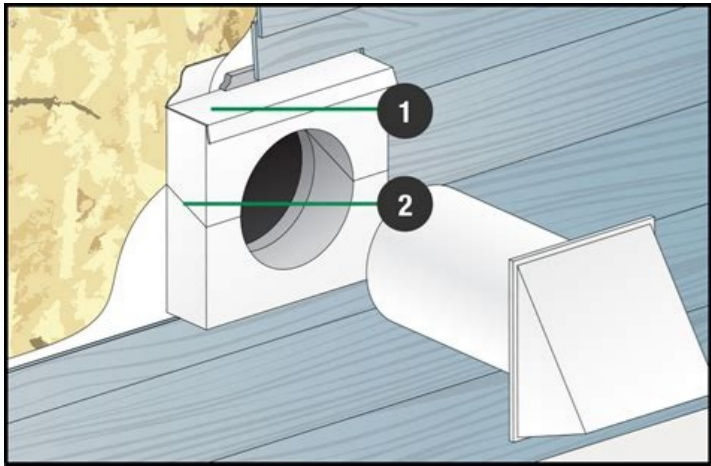


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HardiePlank®

HardiePlank® Lap Siding Product Description

HardiePlank® lap siding is factory-primed fiber-cement lap siding available in a variety of styles and textures. Please see your local James Hardie® product dealer for product availability. HardiePlank lap siding comes in 12-ft. lengths. Nominal width is 3 1/2 in. to 12 in. over a range of exposures from 4 in. to 12 1/2 in.

HardiePlank lap siding is also available with ColorPlus® Technology as one of James Hardie's prefinished products. ColorPlus Technology is a factory-applied, oven-baked finish available on a variety of James Hardie siding and trim products. See your local dealer for details and availability of products, colors, and accessories.

The HD2™ product line is right at home in climates with freezing temperatures, seasonal temperature variations, snow and ice. HD2™ boards are the result of our generational evolution of our time-tested products. We've modified our substrate composition to be specifically designed to perform in conditions found in these climates. To ensure that its beauty matches its durability, we've engineered the surface for higher performance, giving it superior paint adhesion and moisture resistance. In addition, we've added a drip edge to the HardiePlank HD2™ lap siding product to provide improved water management in conditions specific to HD2™ climates.



James hardie best practices installation guide hz5. James hardie best practices installation guide. James hardie siding products best practices installation guide.

Turn your PDF publications into a flip-book with our unique Google optimized e-Paper software. Copy Best Practices & Installation Guide Siding and Trim ... - James Hardie Extended embed settings Embed Size (px) 344 x 292429 x 357514 x 422599 x 487 James Hardie Siding Products Best Practices Installation Guide Siding and Trim Products Version 5.0 February 2010 Engineered for Climate HardiePlank HardieShingle HardiePanel HardieTrim HardieSoffit HardieWrap ColorPlus Technology HardieZone Engineered for Climate James Hardie, the undisputed leader in fiber cement has always made the worlds most resilient siding, and now we have made it even better. For the first time, siding has been Engineered for Climate. So you get the right board for the right climate. We call it the HardieZone System. We took the 8 climatic variables that affect long term performance of the exterior into account and by combining them determined climate zones throughout North America. We found common variables between certain zones which led us to engineer James Hardie siding products for specific climates. The development of these two products is a result of a heavy investment in R&D, our proprietary technology, and manufacturing processes that culminates in the evolution of 7th generation fiber cement Engineered for Climate. For climate zones 1-5 The HZ5 product is engineered to perform in climates with seasonal temperature variations, freezing temperatures, snow and ice. For climate zones 6-10 The HZ10 products are specifically engineered to perform in climates with high humidity, hot dry conditions, and high levels of rainfall. This guide provides the best practice guidelines for installing the HardieZone product for your zone. Specific details and helpful hints that pertain to your zones are included in order to facilitate your installation process. If you are unsure about which zone your job is located in which HardieZone product and installation instructions to use, then please visit our website at www.jameshardie.com for the zip code tool. **WARNING: AVOID BREATHING SILICA DUST** James Hardie 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 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 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.** SD050905 To View a Video of Proper Cutting Practices go to www.jameshardie.com James Hardie Products Installation Guide Foreword James Hardie, the world leader in the manufacturing and development of fiber-cement building products, has produced this Installation Guide to help builders and contractors with the installation of James Hardie siding and trim products, including James Hardie products with ColorPlus Technology. The first sections of this manual provide a general product description and information about safe practices, and proper tools for working with James Hardie siding and trim products. Sections that follow describe design and general installation information for specific James Hardie products. The appendix addresses the installation of James Hardie siding products in less common construction practices (e.g. concrete construction). This manual must be read in conjunction with project drawings and specifications, and relevant compliance documents (e.g. ICC-ES Legacy Report NER-405). The details in this manual provide guidance on how to comply with James Hardie's installation requirements and need to be reviewed by all parties who are responsible for installing James Hardie products on a project. This manual is subject to periodic re-examination and revision. For information on the current status of these documents please check the James Hardie website, www.jameshardie.com. The reader is responsible for ensuring that they are using the most up-to-date information. Telephone directory Technical Services 800-942-7343 Tech Barn for Samples and Literature 866-975-8822 Warranty 866-375-8603 Table of Contents 1 FORWARD 4 GENERAL PRODUCT INFORMATION 4 Jobsite Storage of James Hardie Products 19 Air Conditioners, Service Panels and Other Wall Mounted Devices 19 Butting to Mortar or Masonry 19 Clearances 20 Siding to Ground Clearance 20 Siding and Trim to Solid Surfaces 21-23 Clearance Requirement Examples 4 Importance of Keeping James Hardie Products Dry Open Joints Due to Shrinkage Difficulty in Handling Staining 5 Proper Handling of James Hardie Products 6 WORKING SAFELY WITH JAMES HARDIE PRODUCTS 6 Minimize and Manage Silica Dust 6 Work Safe: Product Cutting Instructions 7 Cutting Station Set Up Clean Up and Disposal of Debris 8 TOOLS FOR CUTTING AND FASTENING FIBER-CEMENT 8 Shears 8 Circular Saws 9 Hepa Vacuums 9 Power Miter Saws 9 Saw Blades 10 Drilling Fiber Cement 10 Lap Gages 11 Joint Flashing 11 Power Nailers and Direct-to-Steel Fastening Tools 12 Nail Guns and ET&F Guns 12 Useful Hand Tools 13 GENERAL INSTALLATION REQUIREMENTS 13 General Installation Requirements 14 Framing and Sheathing 15 Water-Resistive Barrier 15 Staging 15 Flashing 16 Roof-to-Wall Flashing 16 Gutters 17 Penetrations 17 Hose Bibs 18 Hot Air Vents 18 Lights and Electrical Outlets 19 Wires, Conduits or Other Fixed Pipes 24 GENERAL FASTENER REQUIREMENTS 24 Pneumatic Fastening 25 FINISHING 25 Finishing James Hardie Siding and Trim Products 25 ColorPlus Touch-Up 26 ColorPlus Products with Protective Laminated Sheet 26 Caulk 26 Repair Patching 26 Back Priming/Back Sealing 26 Maintenance 27 HARDIEWRAP PRODUCTS DESCRIPTION 28 INSTALLATION OF HARDIE WRAPS 29 HardieWrap Flashing Guide for Typical Penetration 29 HardieWrap Pro-Flashing Guide for Windows 30 Storage 30 General Requirement 31 HardieWrap Flex Flashing Stretchable Sill Flashing 31 Window Installation 32 Side Jamb Flashing 32 Head Flashing 33 Circular Windows 34-39 HardieWrap Installation Requirements 40 HARDIETRIM PRODUCTS DESCRIPTION 41 INSTALLATION OF HARDIETRIM BOARD 41 Outside Corners 41 Inside Corners 42 Band Board 42 5/4 HardieTrim board Fastener Specifications 243 Window and Door Trim 44 INSTALLATION OF 4/4, 7/16 HARDIETRIM BOARD 44 Nailing 4/4, 7/16 HardieTrim board 44 Installing Rake and Fascia Board 45 Drip Edge 45 4/4, 7/16 HardieTrim board Fastener Specifications 46 INSTALLATION OF HARDIETRIM BATTENS 46 Getting Started 46 HardieTrim Battens Fastener Specifications 47 Horizontal Joint Treatment 48-51 HardieTrim HZ10 Battens Installation Requirements 52-55 HardieTrim HZ Battens Installation Requirements 56-59 7/16, 4/4 and 5/4 HardieTrim HZ10 board Installation Requirements 87 HARDIESHINGLE SIDING PRODUCT DESCRIPTION 88 INSTALLATION OF HARDIESHINGLE SIDING 88 Individual Shingles 89 Shingle Panels 90-91 Half-Round Shingle Panels 92-97 HardieShingle Siding Installation Requirements 60-63 7/16, 4/4 and 5/4 HardieTrim HZ board Installation Requirements 64 HARDIESOFFIT PANEL PRODUCT DESCRIPTION 65 INSTALLATION OF HARDIESOFFIT PANEL 65 Installation of HardieSoffit Panels Soffit Framing 65 Joint Treatment for HardieSoffit Panels 66 Cutting 45 Hip Roof Soffits 67 Installing Frieze Boards 67 Treatment Options for the Siding/Soffit Junction 67 Insect Screen 68 Beaded Porch Panel Framing 68 Joint Treatment for Beaded Porch Panel 69 Handling During Installation 69 Caulk the Siding Beaded Porch Panel Joint 70-71 HardieSoffit Panels Installation Requirements 72-75 HardieSoffit Beaded Porch Panel Installation Requirements 98 HARDIEPANEL VERTICAL SIDING PRODUCT DESCRIPTION 99 INSTALLATION OF HARDIEPANEL VERTICAL SIDING 99 Getting Started 100 Vertical Joint Treatment 100 HardiePanel Siding Fastener Specifications 101 Horizontal Joint Treatment 102 Windows, Doors, and Other Wall Penetrations 103-104 HardiePanel Vertical Siding Installation Requirements 105-116 APPENDIX A ADDITIONAL INFORMATION 118-121 APPENDIX B ESTIMATING 122-123 APPENDIX C GLOSSARY OF BUILDING TERMS 124 APPENDIX D CODE REFERENCES 125-128 NOTES 129-164 NER-405 LEGACY REPORT 76 HARDIEPLANK LAP SIDING PRODUCT DESCRIPTION 77 INSTALLATION OF HARDIEPLANK LAP SIDING 77 Install Starter Strip 78 Installing the Planks 78 Plank Alignment at Corners 3 general product information General Product Information Observed Storage Of James hardie prOducts 1.1 working safely general installation requirements The James Hardie family of siding and trim products, including James Hardie products with ColorPlus Technology, sh Enter your zip code, and we'll customize this site to show you the unique combination of James Hardie fiber cement products and ColorPlus® colors available near you.

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