



EDGE™

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ARRIS™ TRIM

INSTALLATION & MAINTENANCE GUIDE



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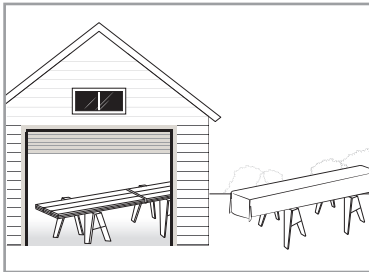
Elevate your exterior design with Arris Trim

Meet the exterior trim that performs beyond anything you've ever seen. Arris from Edge is made of innovative mineral-based composite that is inherently resistant to thermal expansion and contraction while offering a workable, easy-to-install, and low-maintenance solution for high quality builds.

TIPS FOR GETTING STARTED

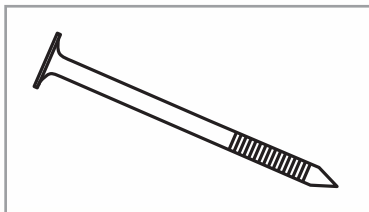
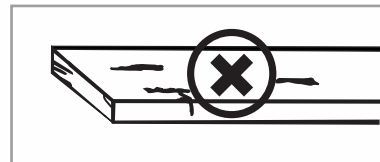
IMPORTANT: Read and understand all instructions prior to installation.
Failure to follow all instructions will void the product warranty.

When Arris Trim is delivered to the jobsite, we recommend you follow these basic guidelines before and during product installation. Inspect all materials upon arrival. If any material appears damaged or in poor condition, do not install it. Installation will be considered acceptance of the product.



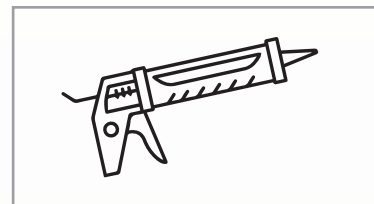
Upon receipt of your product, store it under cover, such as in a garage. If outdoor storage is necessary, keep the product elevated off the ground and wrapped in its original lumber wrap. Always ensure the product is protected from the elements prior to installation.

Handle, cut, and install with care to prevent the boards from rubbing against each other or other objects, which can mar the surface.



Use only galvanized, stainless steel or other corrosion-resistant exterior fasteners for installation. Fastener corrosion is not covered by the Arris Trim warranty.

Caulking is used to seal gaps around corners, windows, doors and other exterior types of joints that can be exposed to water intrusion.



STORAGE AND HANDLING

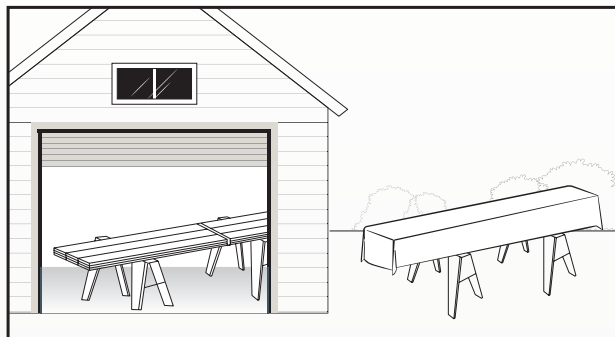
RETAIL GUIDANCE

- Store Arris trim off the ground and on a level, stable surface. Protect the product from dirt, moisture, direct sunlight and extreme heat.
- Ideally, the product should be under covered storage.
- If covered storage is not available, the unit wrap must always remain in place to protect from the elements, dirt and debris.
 - When pulling orders, cut the bands on the unit, remove one side of the wrap and pull boards.
 - When finished, replace the unit wrap and re-band the unit to secure in place. Use corner guards when banding to protect from accidental damage.
 - In all circumstances, but especially when the product is stored outside, it must be kept off the ground and away from any standing water.
- When handling, use care to avoid gouging, scratching and scuffing the surface of the trim. Never stack product more than 5 units high.

JOBSITE GUIDANCE

Arris Trim must always be protected from the elements prior to installation.

- Store product under a covered area away from the elements or cover with a breathable waterproof cover that allows air to circulate.
- Material must also be kept off the ground and on a level, stable surface.
- Protect the product from dirt, moisture, direct sunlight and extreme heat.
- For better finished results, allow the material to acclimate to the local climate for a minimum of 24 hours.



APPROVED USES OF ARRIS TRIM



TRIM & FASCIA COMPONENTS

A. | FASCIA

D. | WINDOW & DOOR TRIM

B. | FRIEZE BOARD

E. | COLUMN TRIM

C. | CORNER TRIM

Arris trim can also be used for interior applications.

INSTALLATION REQUIREMENTS

The best performance of your investment will result from installation according to traditional “best practices” for construction materials. By having your installers follow the Installation Instructions and Maintenance Instructions provided, your project should last for years to come.



Do not install in any structural or load-bearing application.

Do not install in a manner that allows water to be trapped behind boards.

Do not use caulking sealant as a substitute for flashing.

Do not prime or paint wet or dirty material.



Do follow all local building code regulations.

Do follow Arris Trim recommended installation instructions.

Do ensure the safety of everyone on the jobsite, including wearing the appropriate safety gear.

Do conduct annual inspections to identify maintenance needed.

Do follow all coating manufacturer label instructions for priming and finish coating applications.

Do protect all material prior to installation by storing inside a structure or under lumber wrap, and above ground.

Do be aware of potential moisture control issues and address during installation.

ACCLIMATE THE PRODUCT BEFORE INSTALLATION

Arris Trim has minimal thermal expansion and contraction but should be acclimated to ambient air temperature at the job site, for a minimum of 24 hours prior to installation.

SURFACE PREPARATION

NOTE: Arris Trim is virtually impervious to moisture. However, failure to employ best building practices regarding moisture management could lead to premature failure of the wall assembly.

The structure on which Arris Trim is installed should be well ventilated and dry. If any surface is not properly flashed, caulked or otherwise protected from continual moisture exposure, it may lead to water intrusion and potential early deterioration or compromise of the material to which the trim is applied. Adequate design and bracing of the walls, as well as compliance with these application instructions, are the responsibility of the architect and builder.

Install over braced wood or steel studs with proper sheathing. The structural building must adhere to all local building code requirements. Use a clean, dry, flat, structurally rated, exterior wall sheathing that meets local building codes. The structure must be wrapped with a weather-resistant barrier, and all windows and doors must be flashed and taped appropriately.

Consult with local building codes for proper procedures for handling moisture and moisture vapor.

GAPPING REQUIREMENTS

	Installation temperature	
	Above 32° F (0° C)	Below 32° F (0° C)
END-TO-END	1/16"	1/8"
END-TO-SIDE	1/16"	1/8"
ABUTTING SOLID OBJECTS	1/8"	1/4"

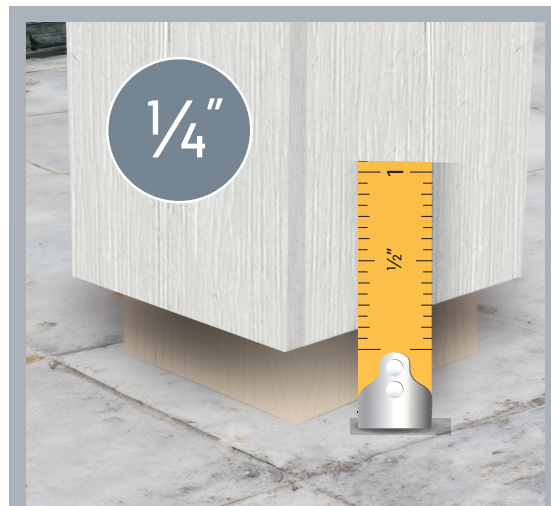
CLEARANCES

Ensure adequate clearance is maintained between all horizontal surfaces (flashing, roofs, pavement, windows, doors, electrical boxes, etc...) to allow proper moisture drainage. A minimum of ¼ inch clearance is required. Maintain a minimum ¼" gap from the top of flashing, roofline or hardscape transition. Follow the gapping requirements for all trim transitions. Follow the applicable siding manufacturer instructions for siding-to-trim clearance.

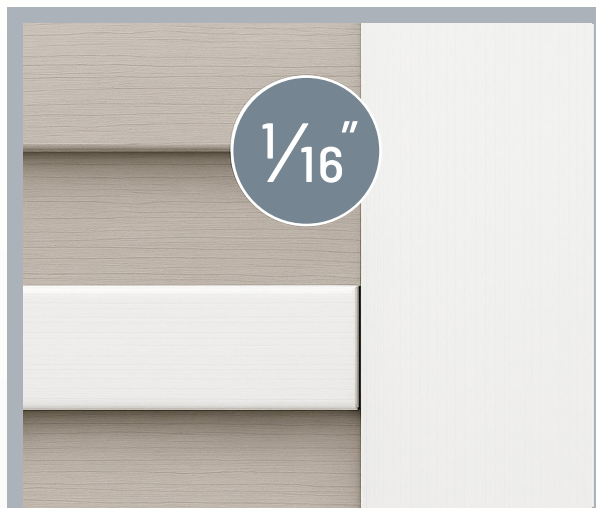
MINIMUM SPACING REQUIREMENTS



At least 1/4" above brick, concrete or flashing to allow for water drainage.



1/4" above adjacent porch floor or roof surface.



Follow gapping requirements for perpendicular trim transitions 1/16"-1/8".

CUTTING

Use fine tooth carbide-tipped cutting tools designed for woodworking. When cutting Arris Trim, ensure the leading edge of the saw blade is cutting into the exposed face of the material.

CUTTING	Chopsaw or Table saw	Cut with exposed face up.
	Skillsaw or Jigsaw	Cut with exposed face down.
DRILLING	Drill or Drillpress	Control "push rate".
ROUTING	Router or Router Table	Avoid head buildup from excessive friction.

For best results when ripping, it is recommended to use a blade with a minimum of 60 teeth and preferably 90 teeth for best cut. For miter cuts, scarf and cross cuts a standard 60 tooth blade works well. In all cases, when cutting, drilling or routing avoid slow feed rates which can result in melting or burnishing of the Arris Trim. Trial your cutting/routing technique on scrap pieces prior to finish cutting.

Small fibers may appear on the tail end of a cut. If fibers appear on the board, **do not pull them off**. Due to the fibrous nature of the product, the fibers will create strands and may aesthetically damage the board if pulled. A jigsaw or sharp utility knife should be used to finish incomplete cuts when making notch cuts or creating cutouts for protrusions. While using a sharp utility knife to shave off small amounts of material, it is best to make short, shallow cuts against the grain of the trim.

Cut ends and ripped edges that will be exposed in the final installation should be touched up as outlined in the Field Finishing section.

FASTENING

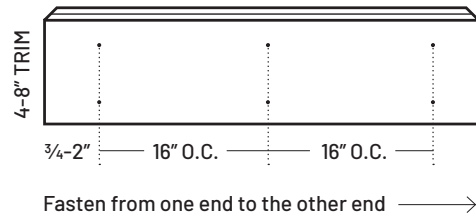
Fasteners must be exterior grade corrosion-resistant, galvanized or stainless steel. Stainless steel fasteners are recommended for all exterior applications, and required when installing product near saltwater or in corrosive environments. Fastener corrosion is not covered by the Arris Trim warranty. Do not use staples, brads, or clipped head nails to install trim. Use nails and screws appropriate for the designed wall substrate and assembly.

We recommend fastening with screws. The minimum fasteners allowed in most applications are #8 trim head screws or 6d box or siding nails.

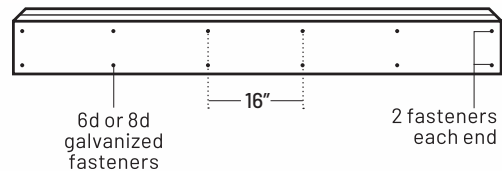
FASTENING CONTINUED

NAILING	Pneumatic Nailer	Minimum diameter: 6d box or siding nail with a full round head. 2-1/2" minimum nail length.
SCREWING	Drill	#8 Trim Head Screw
PLUGGING		Pro Plug

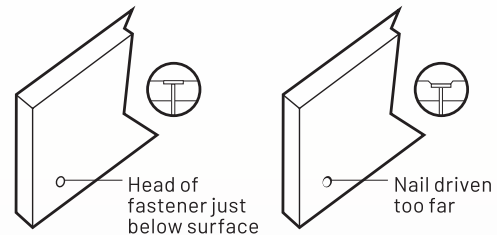
Fasteners shall penetrate framing substrate a minimum of 1-1/2 inches. Place 2 fasteners 3/4"-2" from trim ends when installing 4"-8" wide trim (3 fasteners when installing 10" and 12" wide trim), and continue fastening every 16" O.C. into framing. Fasten trim from one end to the other or alternatively, fasten from the center out to the ends. Do not nail toward the center of the trim from both trim ends.



Double Nailed

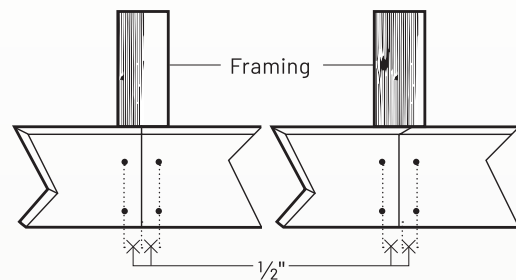


Surface Nailing



Butt Joint

Scarf Joint



PNEUMATIC FASTENING

Adjust all power and pneumatic fastening equipment to seat the nail flush with the surface of the trim. Test the selected pressure setting on scrap pieces prior to beginning the installation.

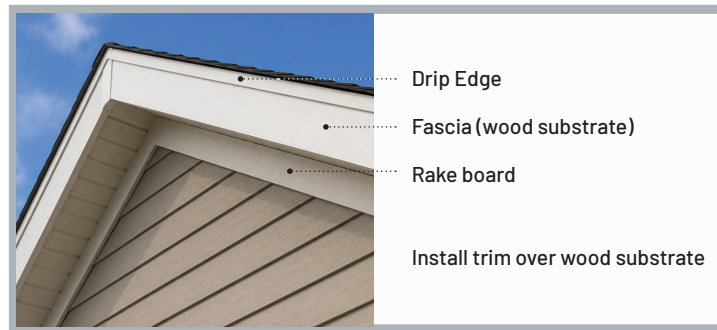
PLUGGING

Drive the Pro Plug Screw with the trim driver bit in a straight and stable fashion perpendicular to the trim surface. Do not hesitate or slow down while driving. Insert the plug into the hole and tap into place with a smooth face steel hammer, until it is flush with the trim surface. Keep hammer head flat with the trim to prevent surface marring. Pre-drilling board ends prior to fastening is required for best results.

FASCIA AND RAKE TRIM

Arris Trim can be installed for fascia and rake applications with the use of a minimum of ½" wood sub-fascia. When joining trim, use a scarf cut or butt joint and follow the gapping requirements. Never force the trim boards into place.

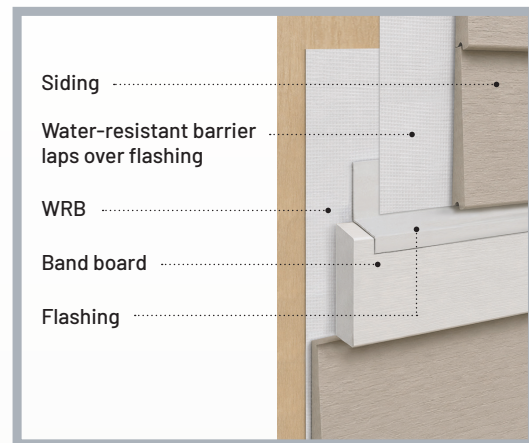
After the fascia is installed, corrosion resistant drip edge flashing must be installed. When installing gutters, use gutter hangers that will attach to the framing.



HORIZONTAL BANDING TRIM

Install horizontal trim ('belly band') to framing over the WRB or membrane flashing. Installation of additional blocking may be required. Install metal counter flashing above the trim and terminate siding below trim band with the appropriate gap for sealant or flashing.

When joining trim, either scarf cut or butt joint and follow the gapping requirements.



CAULKING

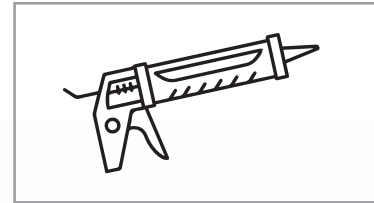
Caulk should be used to seal all gaps between siding and trim or when using an 1/8" gap to butt-joint Arris Trim. Caulking is not a permanent solution and requires regular maintenance. If not inspected and maintained, caulk may fail and trap water, causing severe moisture problems. Do not caulk areas that will prevent moisture from escaping the wall cavity

Edge recommends using only exterior-grade caulks described as high performance and permanently flexible. Edge does not endorse or recommend specific brands or warrant the performance of any third-party products. The products below have been found to be compatible with Arris Trim. Other caulks and non-solvent based adhesives may also be used. It is recommended to test any third-party product on scrap pieces prior to using on an entire project.

COMPATIBLE CAULK

The following caulks have been found effective when used with Arris Trim:

- OSI Quad
- OSI Quad Max
- Franklin Weathermaster



COMPATIBLE ADHESIVES

Adhesives are not necessary when installing Arris Trim. Pre-built corners can easily be assembled using pin nails or finish screws and excessive thermal expansion is not an issue when installing Arris Trim. However, the following adhesives have been found effective when used with Arris Trim:

- 3M 4693
- 3M 4693H
- Scotch-Weld DP6310 without activator

FIELD FINISHING

Arris Trim is manufactured with a durable embossed finish and backed by a limited lifetime warranty. Painting Arris Trim will change the low-maintenance nature of your project to one that will require regular upkeep.

All exposed cut, mitered, or shaped edges and faces should be touched up using Krylon Fusion #2730 Flat White paint or Sherwin Williams Polypropylene Primer prior to a top coating of high quality exterior acrylic latex paint. If a new color is desired, apply a coat of Krylon Fusion or Sherwin Williams Polypropylene Primer as an adhesion primer and finish with 2 dry mils of premium exterior-grade 100% acrylic latex paint.

Trim surfaces must be clean, dry, and free of any foreign material such as dirt, oil, grease or other contaminants prior to painting. Lightly power wash or hose off any loose dirt or debris. Use a fan tip nozzle and test the setting for the power washer to ensure it will not damage the surface of the board.

If the board does not come clean, other cleaning methods include using a soft cloth and a mixture of mild detergent. When using cleaners other than a mixture of mild detergent and water, it is best to test on a small area, or a scrap piece of Arris Trim, to make sure it does not harm the surface or damage the product's appearance. Always read the cleaning product manufacturer's specific information before using any product on your Arris Trim and follow their instructions.

IMPORTANT: Do not use solvent-based cleaners as they can harm the finish of Arris Trim. Consult with your paint manufacturer for instructions on cleaning Arris Trim that has already been painted.

CARE AND MAINTENANCE

For best performance, keep the surface of Arris Trim clean and free of debris. For removing dirt or debris, power wash or hose off the surface of the Arris Trim. Use a fan tip nozzle and test the setting of the power washer to ensure it will not damage the surface of the board. If the board does not come clean, a mild household cleaner can be used in conjunction with a medium nylon bristle brush. Rinse with a hose or power washer, once again making sure the settings of the power washer do not lead to damage of the surface of the Arris Trim.

While Arris Trim is stain-resistant, it is not stain-proof. Care must be taken to remove all stains with water and a mild household cleaner within forty-eight (48) hours of exposure.

Mold and mildew can settle and grow on any outdoor surface and, if not properly cleaned, can stain that surface. For best results, periodically clean the surface of the Arris Trim, keeping it free from dirt and debris. When using cleaners other than a mixture of mild detergent and water, it is best to test on a small area, or a scrap piece of Arris Trim, to make sure it does not harm the surface or damage the product's appearance. Always read the cleaning product manufacturer's specific information before using any product on your Arris Trim and follow their instructions.

WARNING: Keep children and pets away from cleaning products and the trim until completely dry.

IMPORTANT: Do not use solvent based cleaners as they can harm the finish of Arris Trim.

NOTE: Edge products are not suitable for structural use. They may not be used for load-bearing applications. The same commonsense precautions should be taken when handling the products as with any wood or other building materials. Dust masks and eye protection devices are recommended to avoid possible irritation from sawdust and chips. Gloves will help protect hands. Hands should be washed after construction work.

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