



OVERVIEW

Duragutter is an engineered system with easy to follow, step-by-step instructions.

Installers must review both this installation guide and the [installation videos](#) prior to installation.



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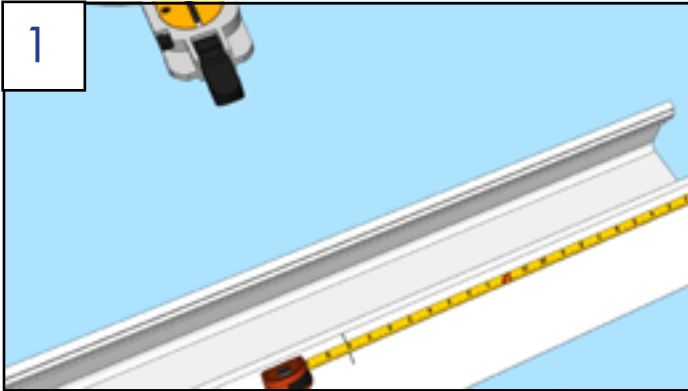
Specialized Tools Required for Installation

- 12" sliding compound miter saw with minimum 80 tooth blade
- Bar clamp (minimum 5 1/2" throat depth) and miter clamp - we can include both in your order
- 7/16" drill bit
- 2 1/2" carbide hole saw (for 3" round outlet) or jigsaw with metal cutting blade (for rectangular outlets)

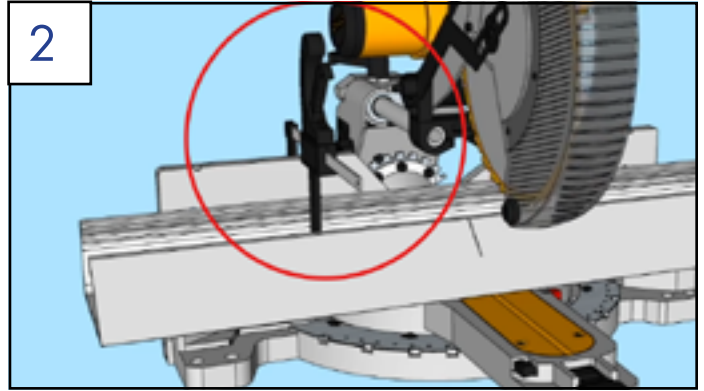
General Installation Notes

1. Plan the work sequence. Always make inside miters before outside miters.
2. Use only glues and sealants supplied or approved by Duragutter.
3. When working with short lengths, it may be easier to assemble joints at waist level and then lift the assembled unit into place.
4. Use eye and ear protection when cutting Duragutter. Use dust collection or cut over a tarp or sweepable surface.

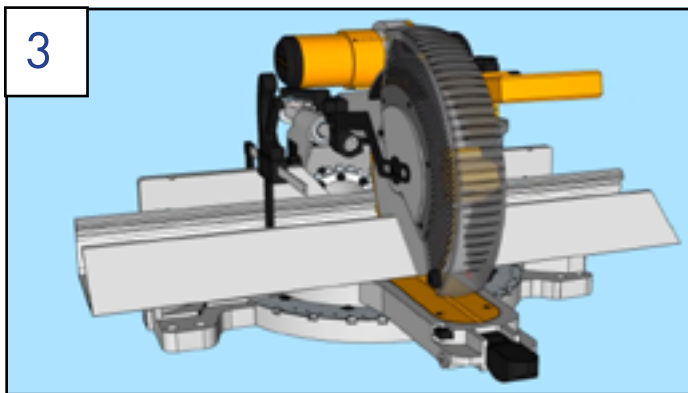
Cutting Duragutter



- Use a 12" sliding miter saw with a minimum 80 tooth blade.
- Measure and mark piece.



- Orient gutter with the bottom sitting on the saw table.
- Clamp the back of the gutter to the saw fence.

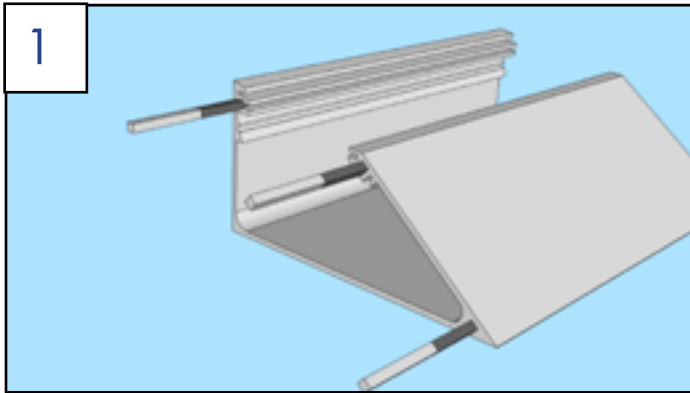


- Keep hands off gutter when cutting.
- To make a small piece, cut it off of a large piece. Do not try to clamp pieces smaller than 15".

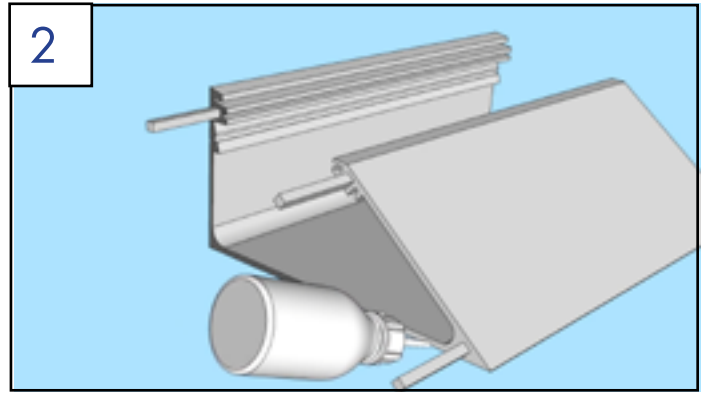
- Cut slow and steady - 10 seconds per cut. Fast cuts risk kickback and rough edges.
- Make miter cuts the same way. Ensure clamp is out of the way of the cut.

NEXT: JOINING STRAIGHT SECTIONS

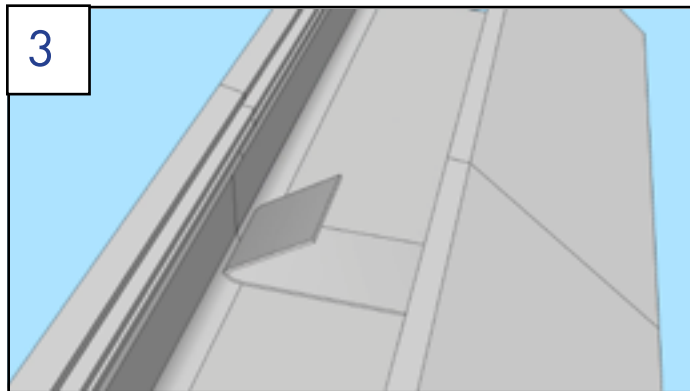
Joining Straight Sections (Butt Joints)



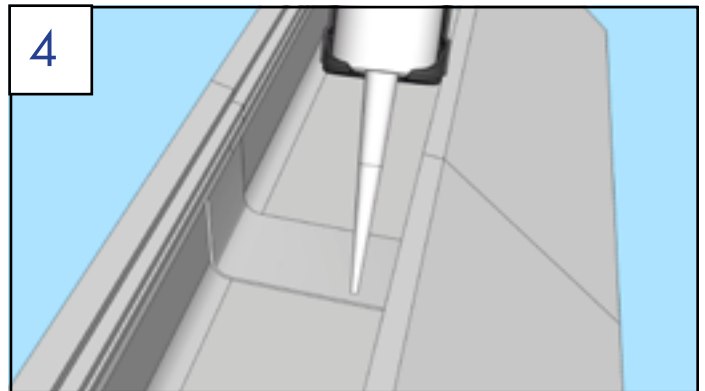
- Test fit the joint to ensure accuracy before installing pins.
- Apply 2P-10 Adhesive to one half of 3 straight pins. Slide the pins halfway into the pin grooves on gutter.



- Apply 2P-10 Adhesive to other half of pins and the edge of one gutter. Slide joint together.
- Clean any excess glue from outside surface of gutter with acetone rag immediately.



- Use tape labeled "BUTT JOINT".
- Apply pre-cut tape over joint. Peel a small amount of tape backing at a time, carefully stick tape, and apply pressure with fingers to remove any air bubbles.



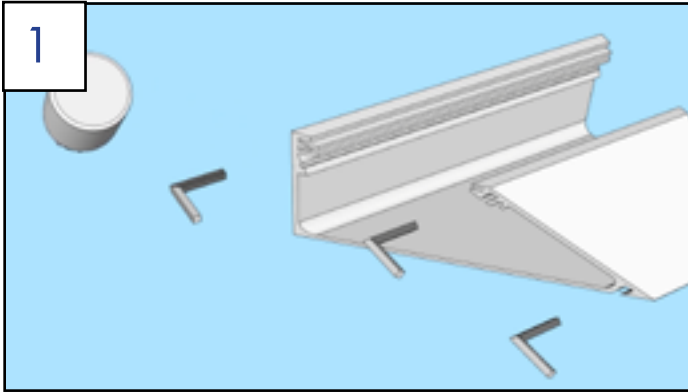
- Apply sealant in the grooves above the tape, and over the sides of the tape.

Question?

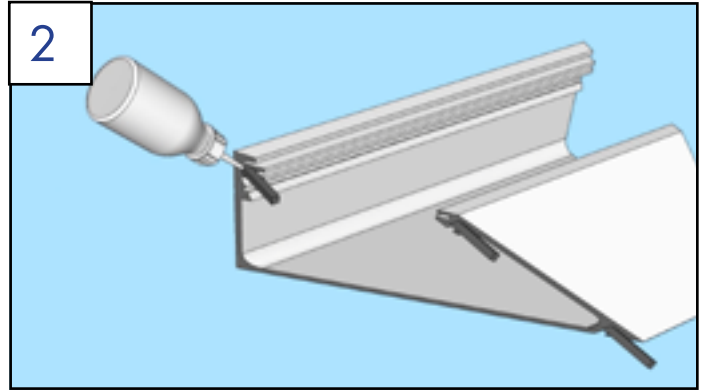
Give us a call at (781) 862-0507

NEXT: INSIDE MITERS

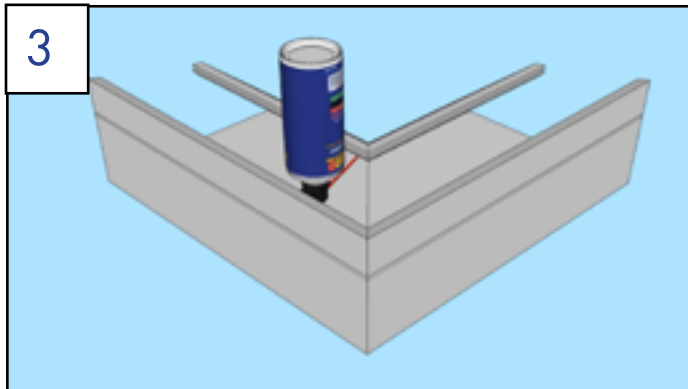
Making Inside Miters



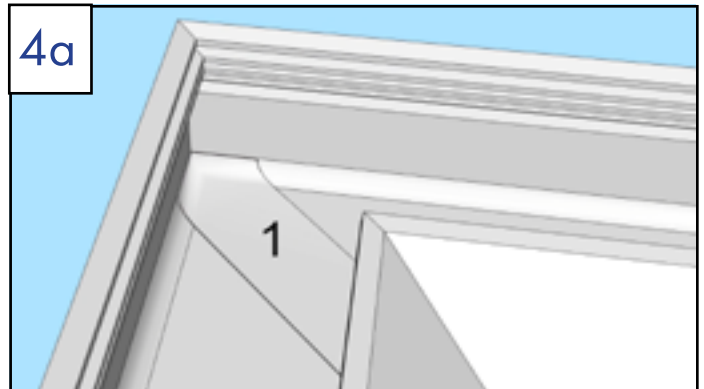
- Test fit joint to ensure accuracy before installing pins.
- Apply 2P-10 Adhesive to one half of 3 90° pins, and slide the pins halfway into the pin grooves on gutter.



- Apply 2P-10 Adhesive to other half of pins and the edge of one gutter. Slide joint together.
- Clean any excess glue from outside surface of gutter with acetone rag immediately.



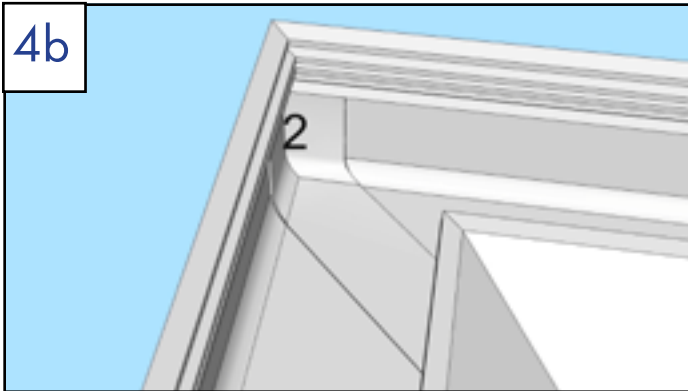
- Hold joint together and spray pins with 2P-10 Activator to instantly cure glue. If more working time is desired (approx. 5 mins), do not use Activator.
- Do not spray Activator on outside surface of gutter, as it can permanently stain the finish.



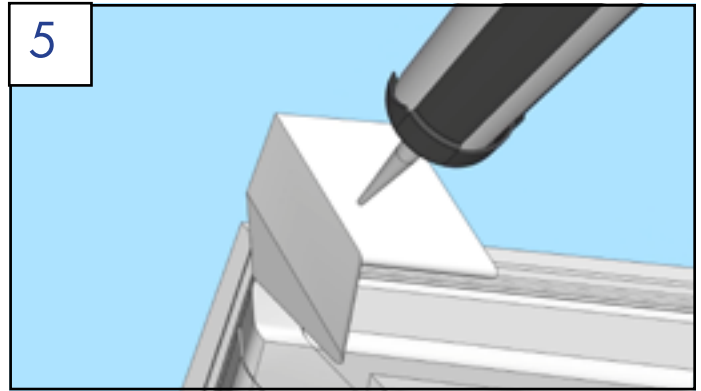
- Use tape kit labeled “INSIDE MITER”.
- Install 1st piece of tape, starting at inside corner.
- Peel a small amount of tape backing at a time, carefully stick tape, and apply pressure with fingers to remove any air bubbles.
- If temperature is below 35° F / 1.6° C, apply a small amount of 2P-10 Adhesive under tape.

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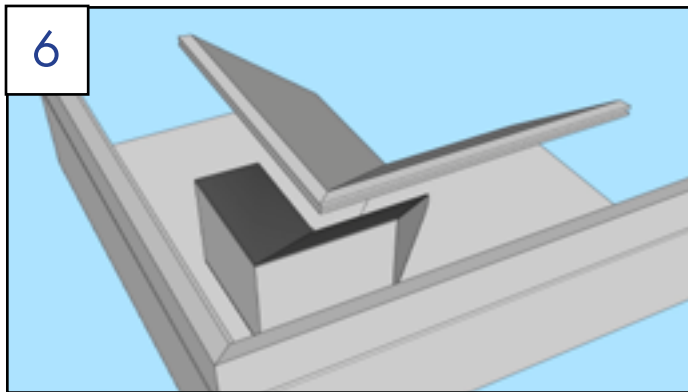
Making Inside Miters (Continued)



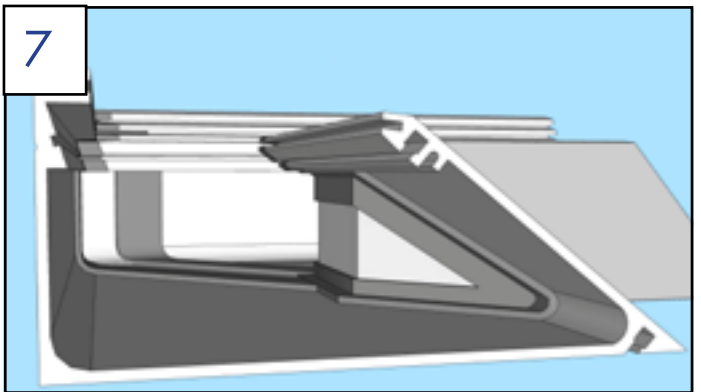
- Install 2nd piece of tape on back of joint, starting at top.



- Apply sealant to top and bottom of provided inside corner block.



- Insert block into front of corner and apply pressure to ensure a tight fit.



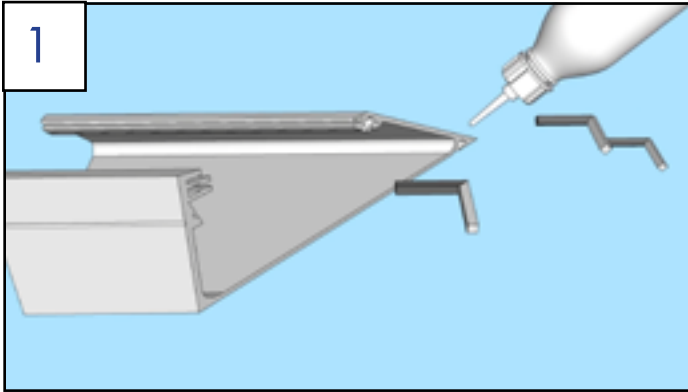
- Apply sealant to all edges of corner block, sides of tape, and grooves in gutter above tape. Use provided mirror to check sealant application.

Show us your install!

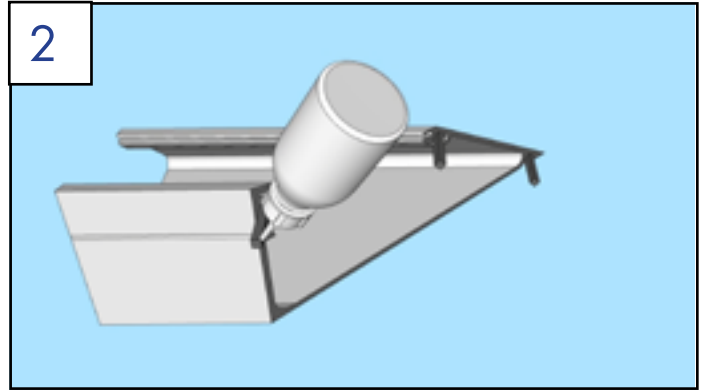
Text or email photos to (781) 862-0507 or info@duragutter.com

NEXT: OUTSIDE MITERS

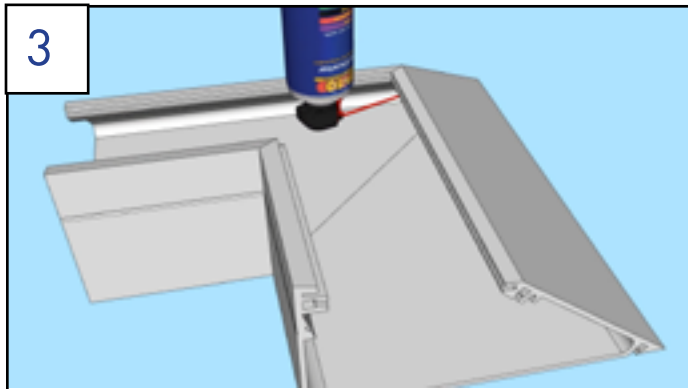
Making Outside Miters



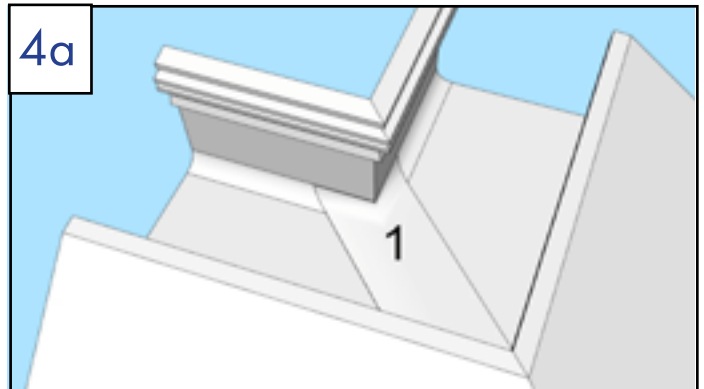
- Test fit joint to ensure accuracy before installing pins.
- Apply 2P-10 Adhesive to one half of 3 90° pins, and slide the pins halfway into the pin grooves on gutter.



- Apply 2P-10 Adhesive to other half of pins and the edge of one gutter. Slide joint together.
- Clean any excess glue from outside surface of gutter with acetone rag immediately.



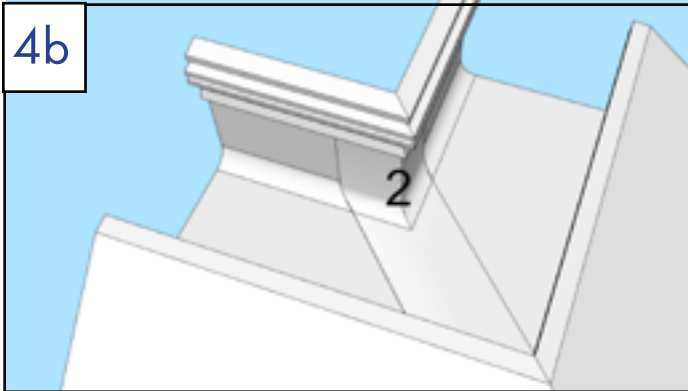
- Hold joint together and spray pins with 2P-10 Activator to instantly cure glue. If more working time is desired (approx. 5 mins), do not use Activator.
- Do not spray Activator on outside surface of gutter, as it can permanently stain the finish.



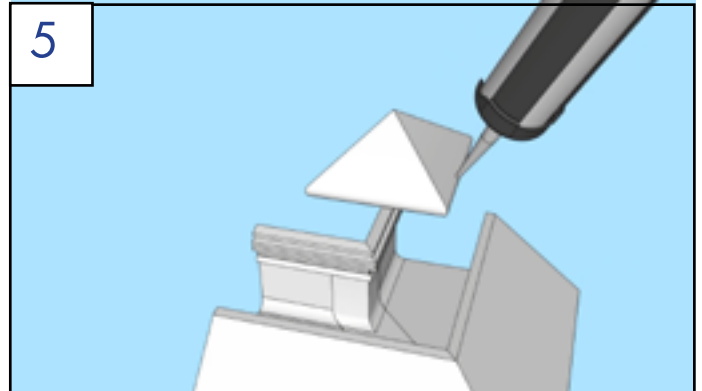
- Use tape kit labeled "OUTSIDE MITER".
- Install 1st piece of tape starting at inside corner.
- Peel a small amount of tape backing at a time, carefully stick tape, and apply pressure with fingers to remove any air bubbles.
- If temperature is below 35° F / 1.6° C, apply a small amount of 2P-10 Adhesive under tape.

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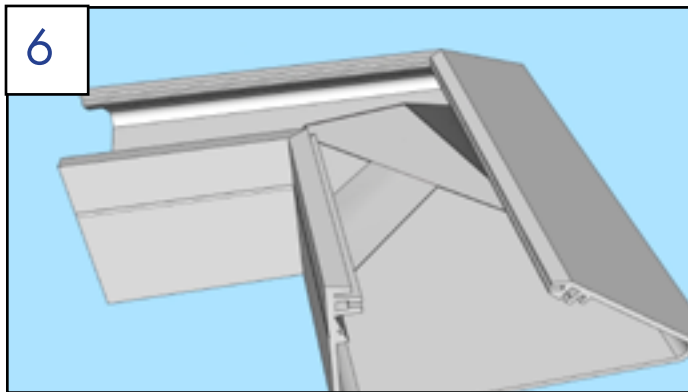
Making Outside Miters (Continued)



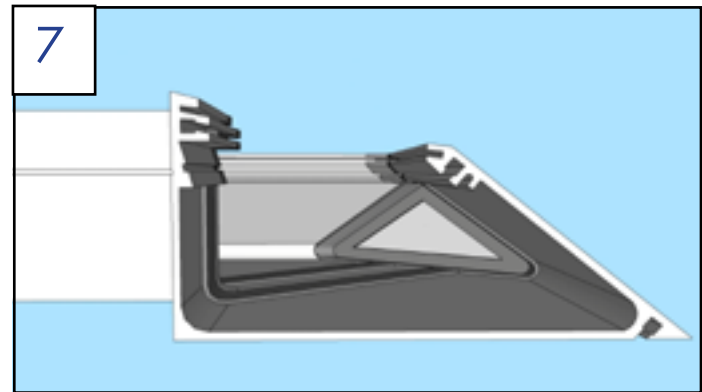
- Install 2nd piece of tape on back of joint.



- Apply sealant to top and bottom of provided outside corner block.



- Insert block into front of corner and apply pressure to ensure a tight fit.



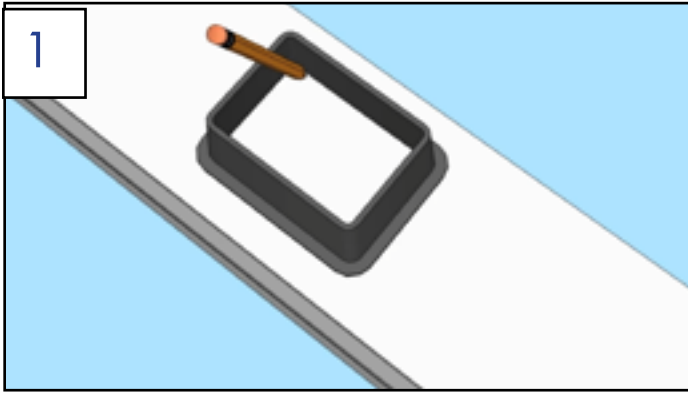
- Apply sealant to all edges of corner block, sides of tape, and grooves in gutter above tape. Use provided mirror to check sealant application.

Question?

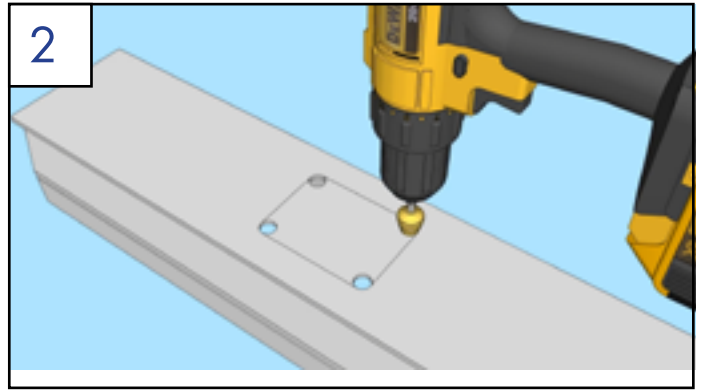
Give us a call at (781) 862-0507

NEXT: DOWNSPOUT
OUTLETS

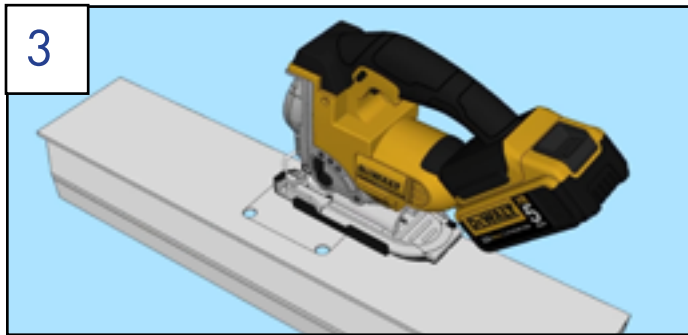
Installing Square/Rectangular Outlet (SQ profile shown, same for WG)



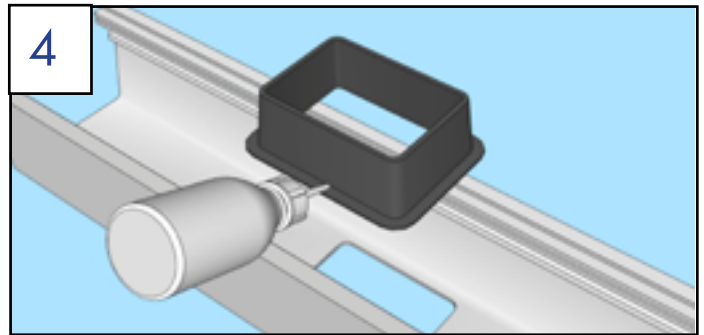
- Install outlets on the ground before installing gutter
- Trace outlet location on bottom of gutter (depends on gutter/downspout type).



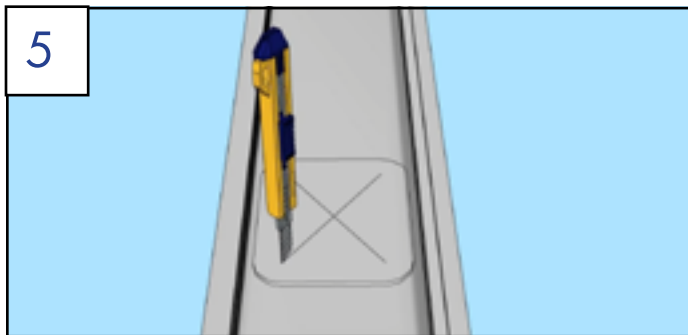
- Make cutout for outlet slightly wider than traced line to account for thickness of outlet.
- Drill holes in corners of traced area.



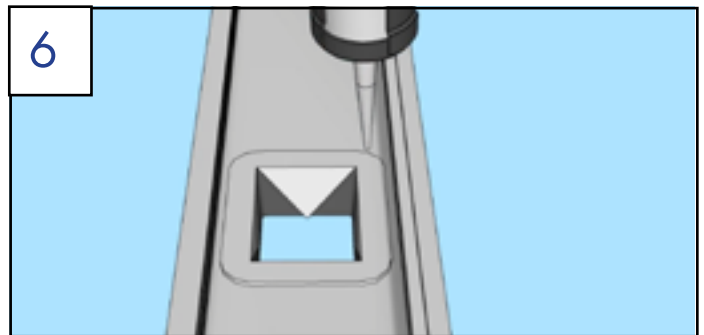
- Cut between holes with jigsaw (cover jigsaw base with tape to avoid scratching gutter).



- Apply 2P-10 Adhesive to bottom lip of outlet and insert outlet in gutter.



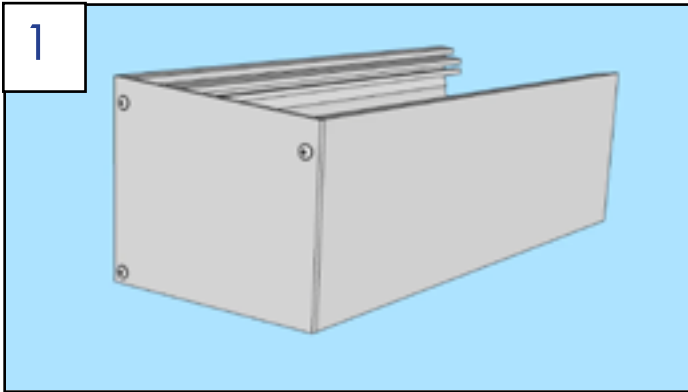
- Spray perimeter of hole with 2P-10 Activator.
- Apply rectangular piece of tape over whole outlet, cut X in middle, and fold edges of tape into outlet.



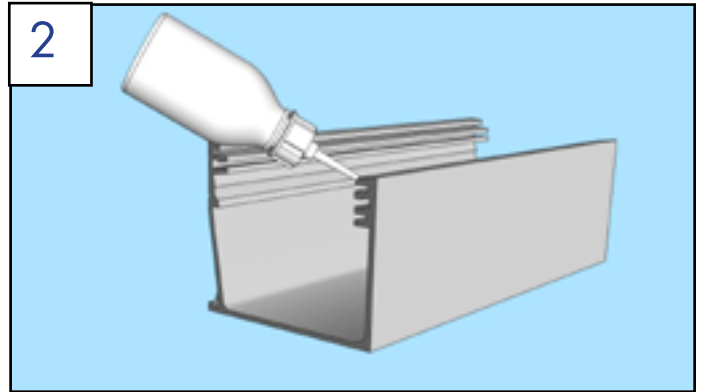
- Apply Dicor sealant over edges of tape.

NEXT: INSTALL END CAPS

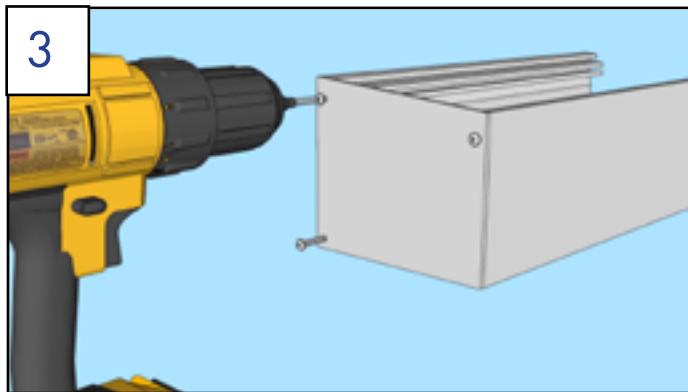
Installing End Caps (SQ profile shown, same for WG)



- $\frac{1}{8}$ " thick aluminum end caps are used where the end of a gutter is exposed. End cap screws are included with each end cap.
- They have countersunk holes on each side, so there are no "lefts" or "rights". They screw into the internal grooves in the gutter.



- Apply 2P-10 Adhesive to edge of gutter.



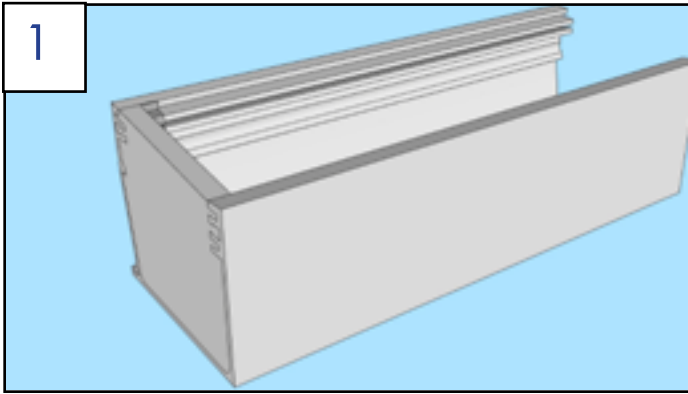
- Apply sealant to the inside of end cap, including in grooves in gutter.

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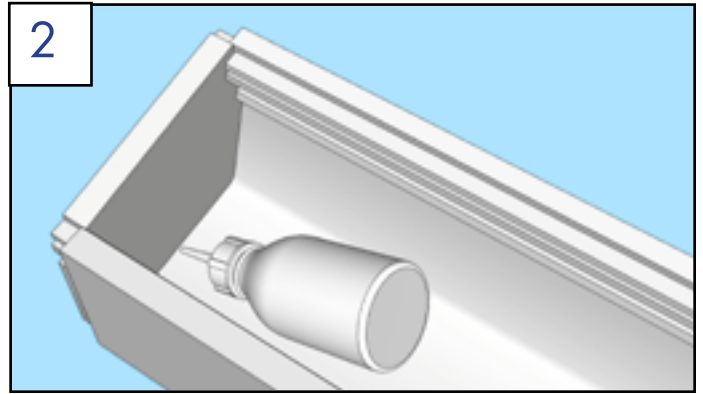
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NEXT: INSTALL
INTERNAL PLUGS

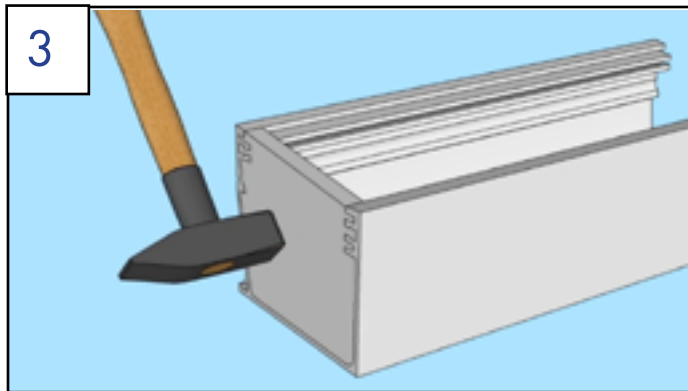
Installing Internal Plugs (SQ profile shown, same for WG)



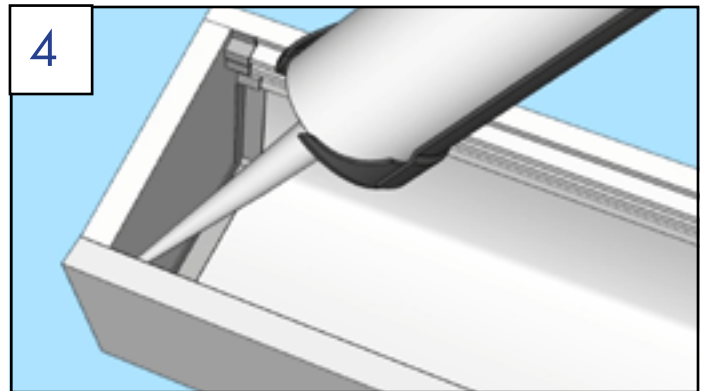
- PVC internal plugs seal off the gutter where it butts into a wall or piece of trim. They fit inside the gutter and are flush with the outside.
- Do not use where end of gutter is exposed - use end cap instead.



- Insert plug 1/8" into gutter, taking care to align the edges.
- Apply 2P-10 Adhesive to the inside of the gutter next to the plug.



- Tap the plug flush with the end of the gutter.



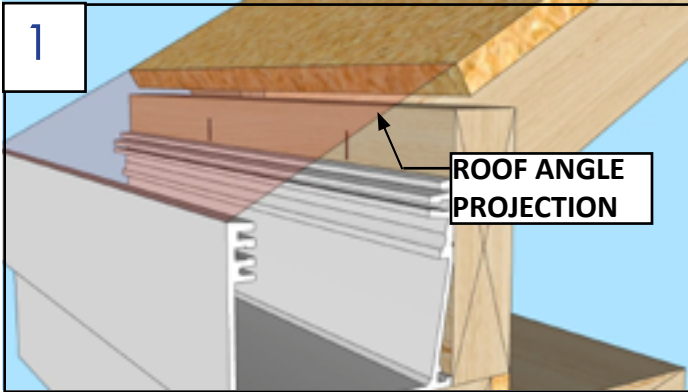
- Apply sealant to inside of plug, including the grooves in gutter.

Question?

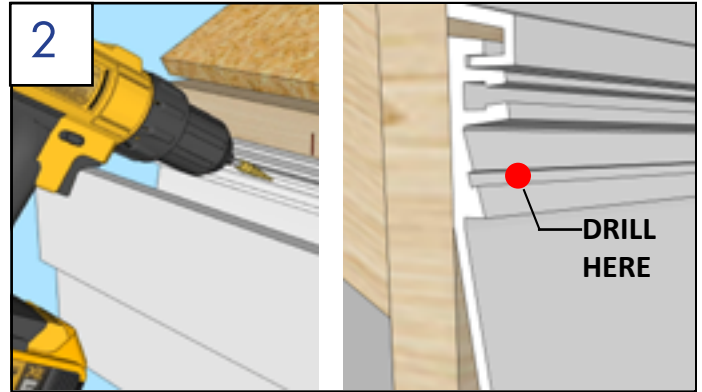
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NEXT: ATTACH GUTTER
TO FASCIA

Attaching Gutter to Fascia (SQ profile shown, same for WG)



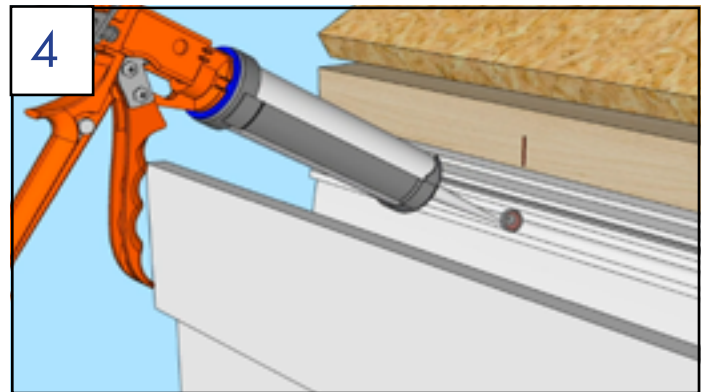
- If applicable, mark rafter locations on fascia.
- Set gutter into place on build-out or temporary blocks.
- On sloped roofs, outside top lip of gutter should align with projection of angled roof plane.



- Drill a 7/16" hole centered on the angled shelf inside gutter.



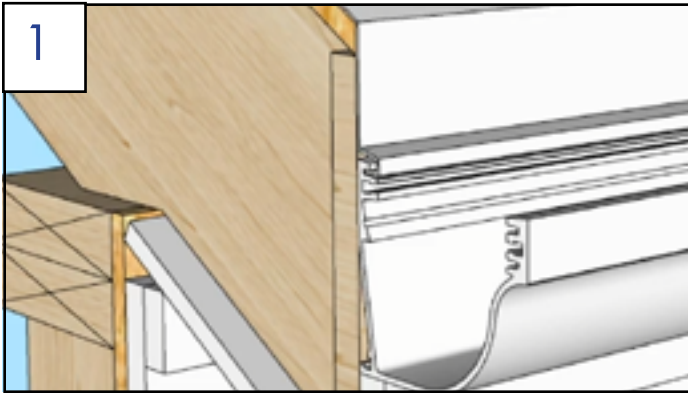
- Install screws with washers. Tighten until washer is slightly compressed. Do not overtighten.
- Use one screw per rafter. If there is a structural sub-fascia, place screws at 16" intervals.



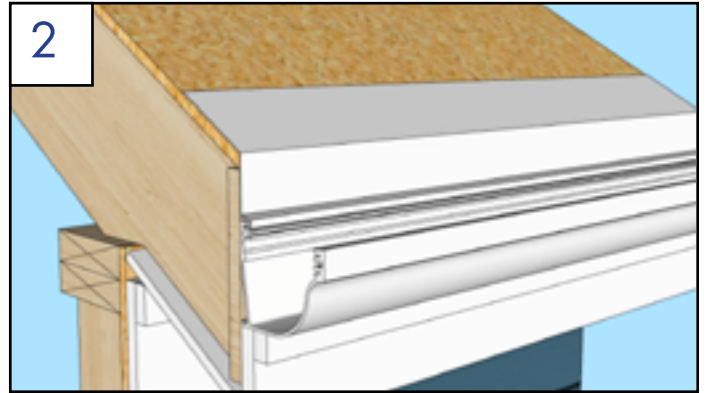
- Cover the screw head and washer with sealant.

NEXT: INSTALL
INTEGRAL FLASHING

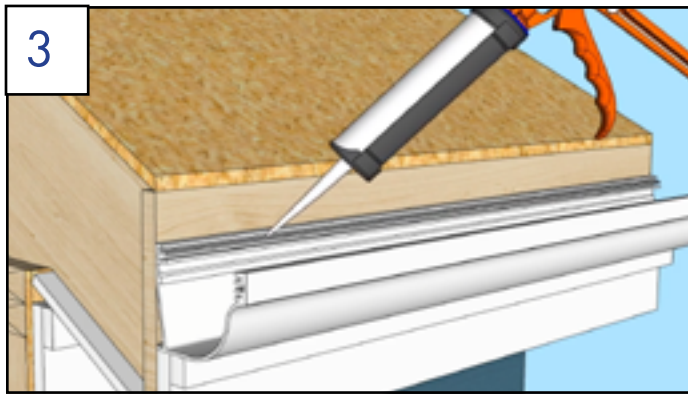
Installing Integral Flashing (OG profile shown, same for WG)



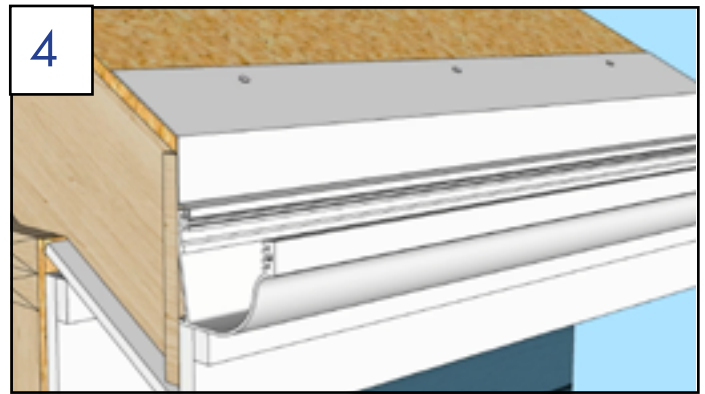
- Pre-bent edge of metal flashing fits into top groove inside gutter. Flashing should be installed over waterproof roof membrane layer (not pictured), and then taped to seal joint between membrane and flashing.



- Bend the upper part of the flashing to the proper roof angle (or specify the angle and have us bend it for you).



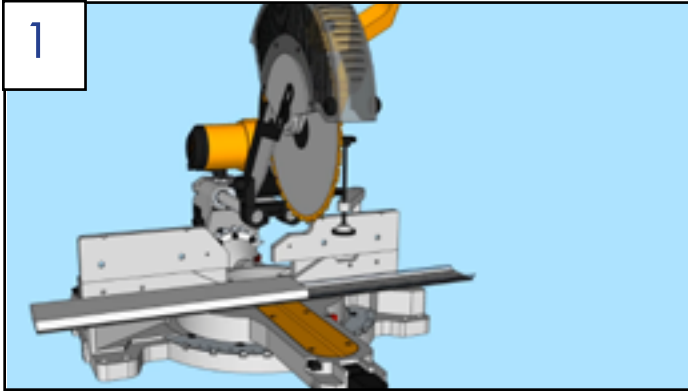
- For extra protection against ice dams, apply sealant in the top groove before installing flashing.



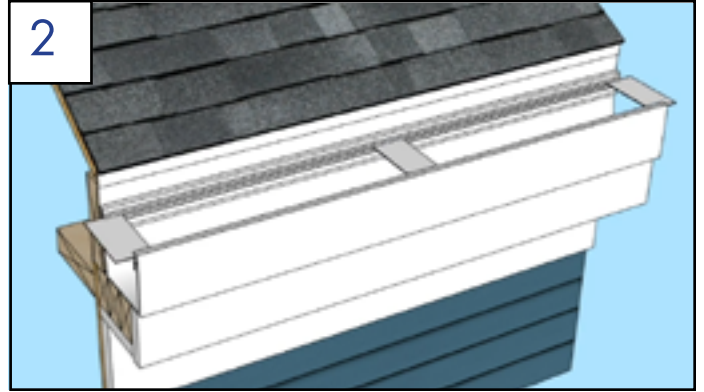
- Install flashing in top groove inside gutter and nail to roof. Each piece of flashing should overlap adjacent pieces by 3”.

NEXT: INSTALLING
PVC LEAFGUARD

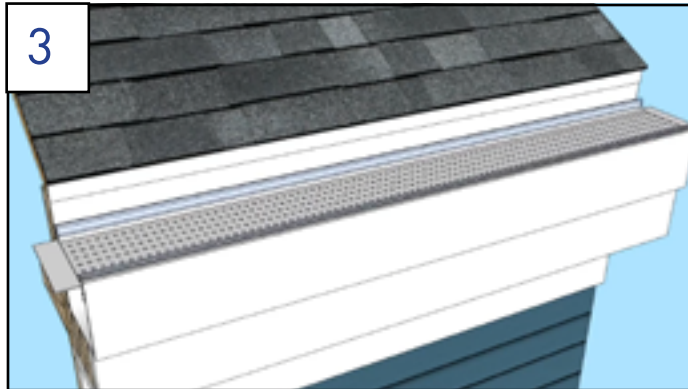
Installing PVC Leafguard (SQ profile shown, same for WG)



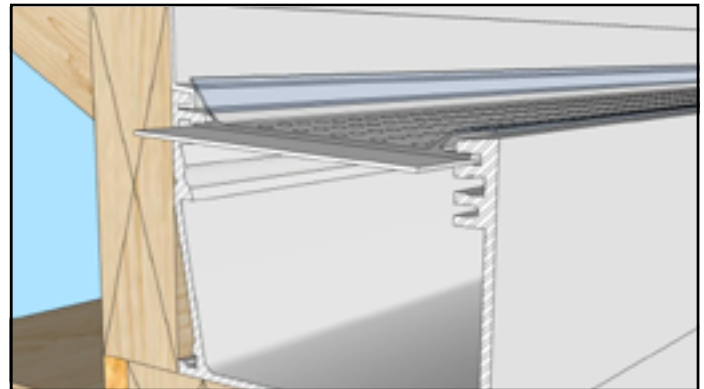
- Where necessary to cut leafguard, measure and mark piece, place wood block over leafguard and hold securely.
- Cut through wood block and leafguard with miter saw.



- Install supplied leafguard supports at each end of leafguard, and in middle. See below image for correct grooves in gutter.



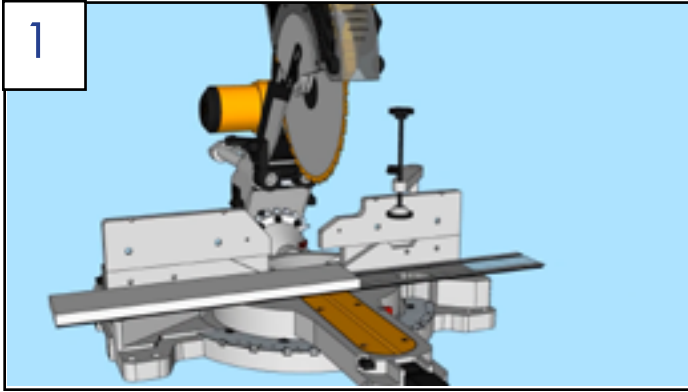
- Install leafguard by pushing it into the back groove first, then snapping it into the front groove.



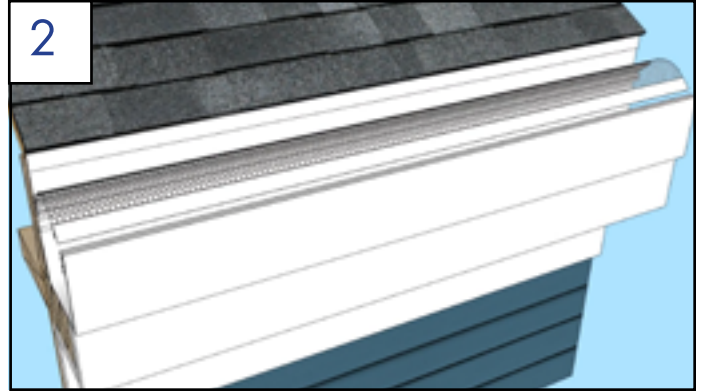
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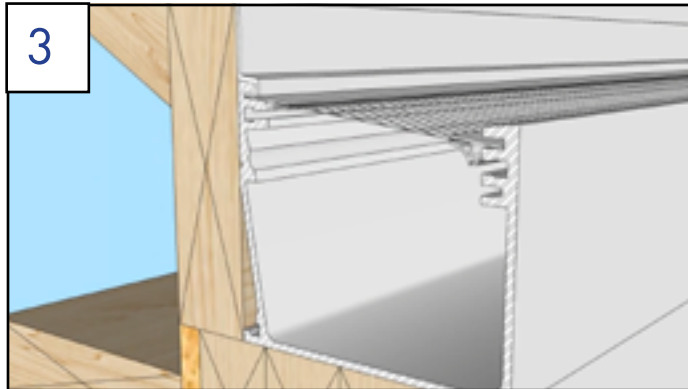
Installing Stainless Micro-Mesh Leafguard (SQ profile shown, same for WG)



- Where necessary to cut leafguard, measure and mark piece, place wood block over leafguard and hold securely.
- Cut through wood block and leafguard with miter saw.



- Bend the leafguard up slightly in the middle of the mesh, so it can fit inside the grooves in the gutter.



- Insert leafguard into gutter and flatten out, so it fits tightly into grooves.
- Side of leafguard with hook below mesh is oriented toward front of gutter.

Question?

Give us a call at (781) 862-0507