



LEAF RELIEF[®]

GUTTER PROTECTION THAT REALLY WORKS

by PLY GEM



INSTALLATION GUIDE



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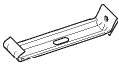

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






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Leaf Relief® Chart

Seamless Gutters

	Spike/ Ferrule	Hidden Hanger Systems	Zip Hanger Systems	No Hanger/ New Gutter
				
TP5300/ TP6300	✓	✓		
TP5100/ TP6100	✓	✓		
TP53ZIP TP63ZIP			✓	

Foldover Style Gutter

	Snap-in (Free Float)	Combin- -ation	No Hanger	Snug Fit	Bar 5"	Bar 6"	Strap 5"	Combin- -ation Strap 5"	Roof Hanger 5"	Roof Hanger 6"
										
TP5300/ TP6300	✓						✓		■ ✓	■ ✓
TP5100/ TP6100	✓						✓		■ ✓	■ ✓
TP53ZIP		✓		✓	✓			✓		
TP63ZIP		✓				✓				
OG13LR5							★ ✓			

- Field notch Leaf Relief® at rod.
- ★ Cut or remove existing hanger.

NOTE: See product guide for ordering code.

Preparing Existing Foldover Gutters for Leaf Relief® Application

Replacing Strap Hangers or Bar Hangers on Existing Gutters

Hook front of snap-in (free float gutter hangers (OG13LR5) into front lip of gutter every 24" along length of gutter. (Figure 1)

NOTE: See product guide for ordering code.

Position block of wood inside gutter at hanger locations. Using claw hammer, apply pressure to bottom of each hanger until hanger engages into existing roof apron or fascia apron. Remove wooden block. (Figure 2)

For strap hangers use a metal cutting tool, such as a reciprocating saw, to cut old strap hangers at drip edge and remove from gutter system. (Figure 3)

For bar hangers remove nail or screw and remove bar hanger from gutter system.

Begin installing TP5300 Leaf Relief® product. Refer to Leaf Relief® instructions for proper installation.

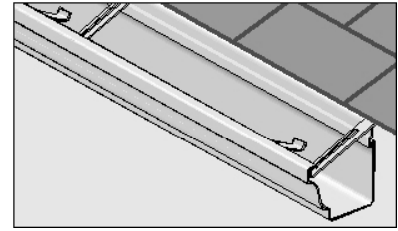


Fig. 1

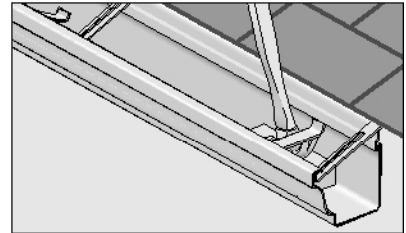


Fig. 2

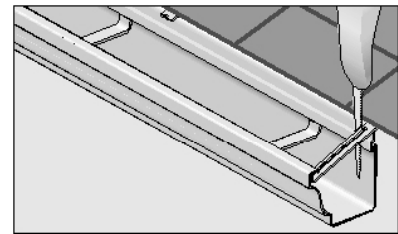


Fig. 3

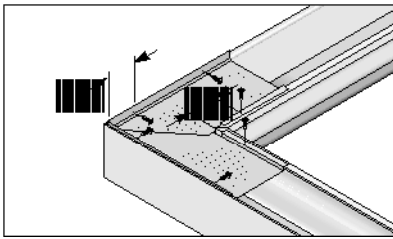


Fig. 1

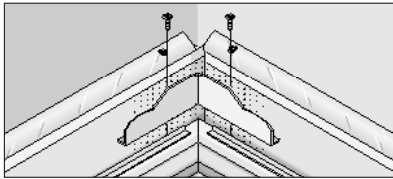


Fig. 2

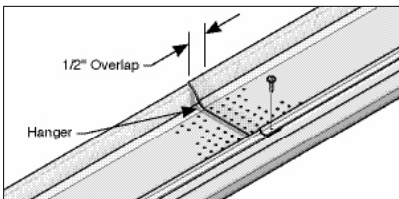


Fig. 3

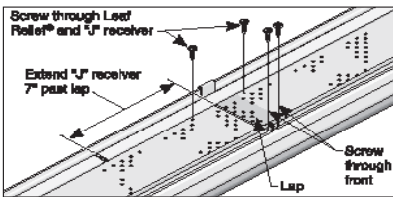


Fig. 4

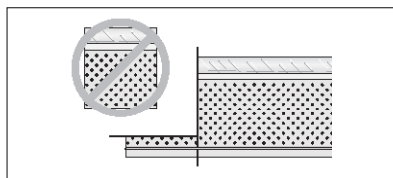


Fig. 5

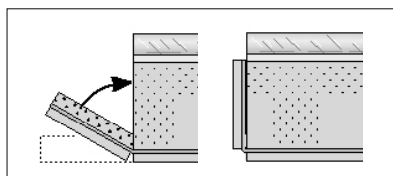


Fig. 6

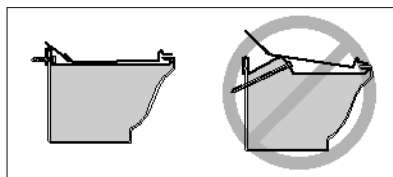


Fig. 7

5"/6" Leaf Relief® Retro-Fit Installation on Flat Hangers or Spike/Ferrule

Prepare the Gutter

Clean and flush existing gutters and downspouts thoroughly with water.

Install Leaf Relief® Corners

Attach Leaf Relief® 5" corners (IC5220/ OC5220) or 6" corners (IC6220/OC6220) using 6 screws as shown in the drawing. (Figure 1)

NOTE: Pre-fabricated corners must be at the same level as the Leaf Relief® sections.

Important

Downspouts 3" x 4" or larger are recommended for proper function in a coniferous tree zone.

To prevent overflow, all inside corners and valleys must have a water diverter/deflector (ASDIV). Diverter/deflector must be installed on the top surface of the Leaf Relief® (behind front lip). (Figure 2)

The flow from high-level gutters must be transferred within downspouts directly into lower-level gutters and sealed. An alternative to this would be to install water diverters.

For application using zip hangers, see Leaf Relief® Installation (Zip Hangers) section. (Figure 7)

Install Leaf Relief® System

NOTE: For TP5100P; slide "J" receiver onto the Leaf Relief® sections.

Place the Leaf Relief® sections on top of the gutter with the vinyl strip against the fascia or drip edge. For proper function, the Leaf Relief® surface (front-to-back) must be level or have a slight slope toward the fascia. Do not install Leaf Relief® over hangers that will result in a forward slope.

For best support, place Leaf Relief® so that the piece nearest the hanger is beneath the adjoining Leaf Relief® section (overlap 1/2" with adjacent Leaf Relief® section – do not butt). Add or replace hangers as needed for proper support (maximum support spacing is 30"). (Figure 3)

Starting at one end, fasten front of Leaf Relief® to gutter every 24" using #6-3/8" screws. (Figure 4)

In applications where the Leaf Relief® is level with the endcap.

At the end of the run, make a 4" cut on the back of the Leaf Relief® up to the lip on the front. (Figure 5)

Cut parallel to the front about 1/2" from the lip.

Make another cut in the opposite direction to the lip.

Turn and fold under the excess material. (Figure 6)

NOTE: For TP5100P; adjust the "J" receiver to fit the width of the gutter. Using same screws as noted above, attach every 2' as shown.

Installing Leaf Relief® on Half-Round Gutters

Wrap-Around Fascia Hangers

Lay Leaf Relief® on gutter in front of hanger and mark location of bracket (see Figure 1).

Notch back of Leaf Relief® as shown in Figure 2.

Firmly press back of Leaf Relief® behind gutter, and pivot down to rest on front lip of gutter (see Figure 3).

Attach with screws through Leaf Relief® and front lip of gutter every 24" (Figure 4).

Continue installing Leaf Relief® panels, overlapping 1/2". As required, a screw can be inserted through overlapping panels to reduce sagging.

Spring Clip Bar Hangers

Lay Leaf Relief® on gutter in front of hanger and mark location of bracket (see Figure 5).

Cut and notch Leaf Relief® as shown in Figure 6.

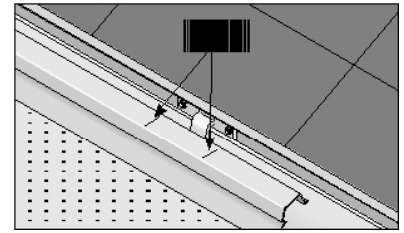


Fig. 1

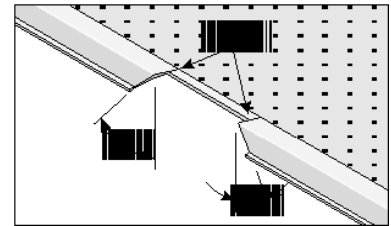


Fig. 2

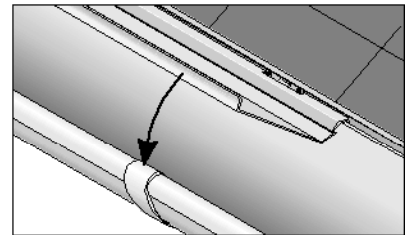


Fig. 3

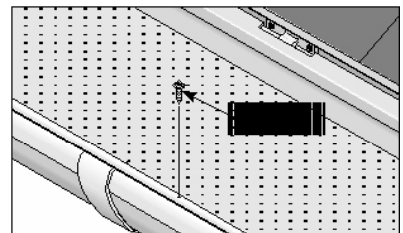


Fig. 4

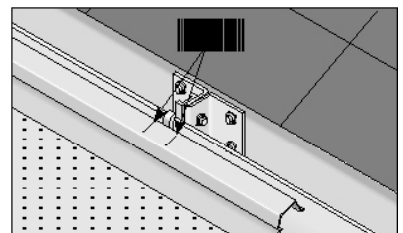


Fig. 5

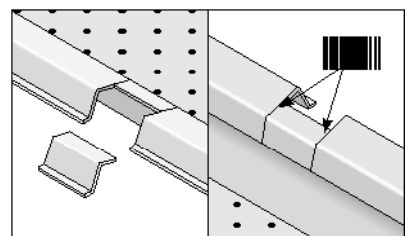
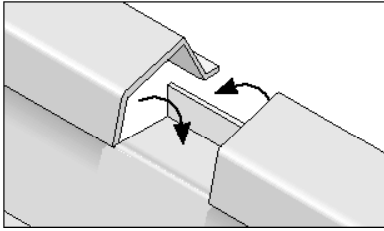


Fig. 6



Installing Leaf Relief® on Half-Round Gutters continued

Spring Clip Bar Hangers continued

Bend tab on Leaf Relief® as shown in Figure 1.

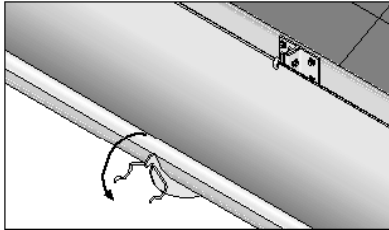


Fig. 2

Release spring clip on front of gutter and bend up back tab holding gutter. (Figure 2).

Place Leaf Relief® on gutter, bend hanger back tab over the back of the Leaf Relief®. Fasten hanger spring clip over Leaf Relief® (Figure 3).

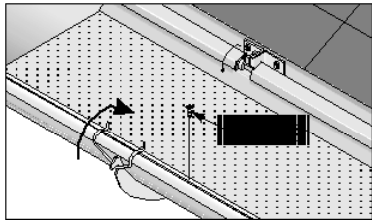


Fig. 3

Continue installing Leaf Relief® panels, overlapping 1/2", attaching with screws through Leaf Relief® and front lip of gutter every 24". As required, a screw can be inserted through overlapping panels to reduce sagging.

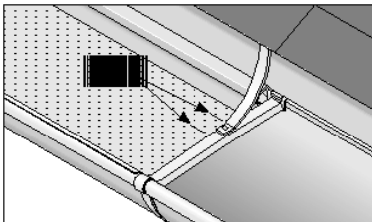


Fig. 4

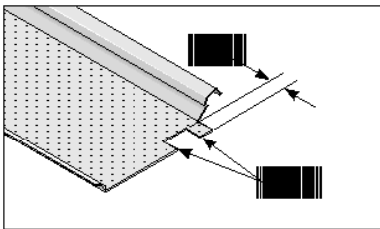


Fig. 5

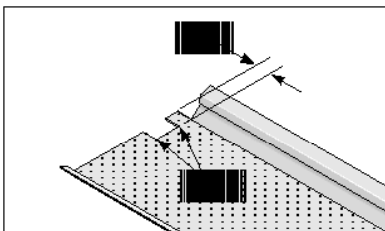


Fig. 6

Wrap-Around Strap Hangers (Existing Gutters)

Place first Leaf Relief® panel on gutter in front of hanger and mark location of strap (see Figure 4).

Cut and notch Leaf Relief® as shown in Figure 5 and lay in position on gutter.

Place next section of Leaf Relief® on gutter, mark location of strap, then cut and notch as shown in Figure 6.

Installing Leaf Relief® on Half-Round Gutters continued

Wrap-Around Strap Hangers (Existing Gutters) continued

Install on gutter in position so that it overlaps previous section by 1/2".

Attach with screws through Leaf Relief® at every hanger overlap. Also, attach the Leaf Relief® every 24" through the front lip of the gutter (Figure 1). As required, a screw can be inserted through overlapping panels to reduce sagging.

Wrap-Around Strap Hangers (New Gutter Installation)

Plan location of strap hangers and Leaf Relief® panels. Remember that Leaf Relief® must overlap 1/2". Notch Leaf Relief® at each hanger as shown in Figure 2.

Install Leaf Relief®, overlapping panels by 1/2". Screw through front edge of Leaf Relief® into front lip of gutter every 24" (see Figure 3). As required, a screw can be inserted through overlapping panels to reduce sagging.

Attach hangers, over Leaf Relief®, to gutters (Figure 4).

Install gutters to structure per manufacturer's instructions.

Mitering Corners

For Outside Corners:

Use perforation pattern as a guide to create corners. Using tin snips, cut diagonally along the perforation to create a 45° angle, starting at the outside edge and cutting as shown. Notch and remove one inch of the front edge from the newly formed angle (Figure 5).

When mounted, the pieces will overlap one inch and form a 90° outside corner. Place one screw through the overlapping pieces (Figure 6).

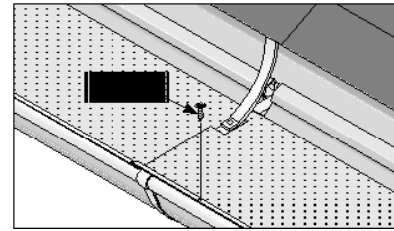


Fig. 1

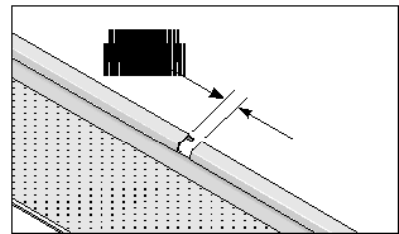


Fig. 2

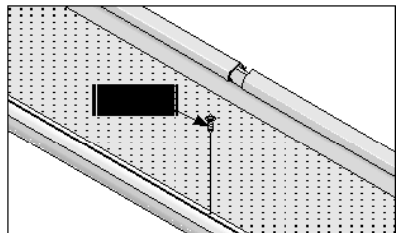


Fig. 3

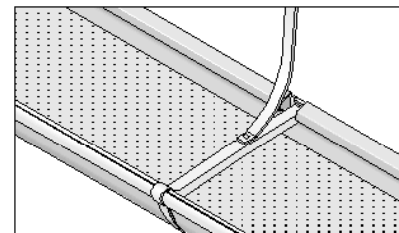


Fig. 4

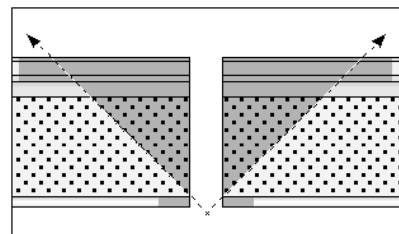


Fig. 5

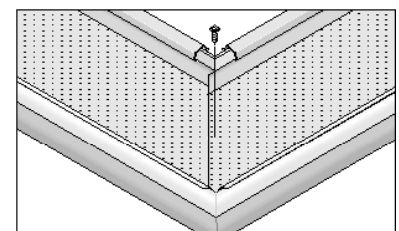


Fig. 6

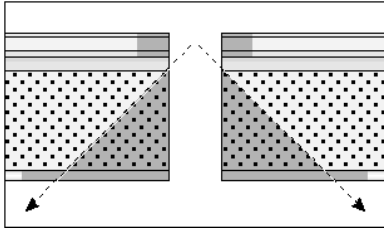


Fig. 1

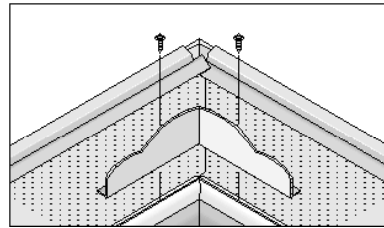


Fig. 2

Installing Leaf Relief® on Half-Round Gutters continued

Mitering Corners continued

For Inside Corners:
Use perforation pattern as a guide to create corners. Using tin snips, cut diagonally along the perforation to create a 45° angle, starting at the rear edge and cutting as shown. Notch and remove one inch of the front edge from the newly formed angle (Figure 1).

When mounted, the pieces will overlap one inch and form a 90° inside corner. Place one screw through the overlapping pieces (Figure 2).

NOTE: To prevent overflow, all inside corners and valleys must have a water diverter/deflector. Diverter/deflector must be installed on the top surface of Leaf Relief®.

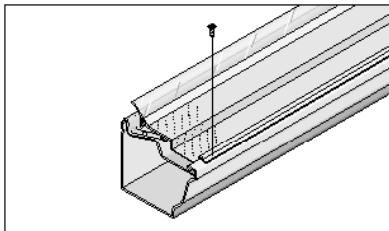


Fig. 1

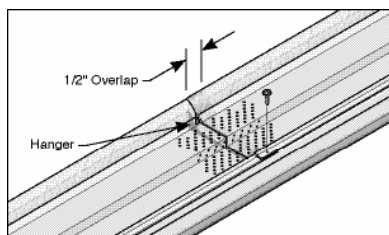


Fig. 2

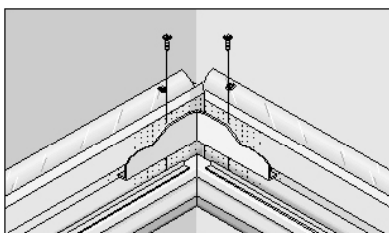


Fig. 3

Leaf Relief® Installation (Zip Hangers)

Prepare the Gutter

Clean and flush existing gutters and downspouts thoroughly with water.

Important

Downspouts 3" x 4" or larger are recommended for proper function in a coniferous tree zone.

To prevent overflow, all inside corners and valleys must have a water diverter/deflector. Diverter/deflector must be installed on the top surface of the Leaf Relief® (behind front lip).

The flow from high-level gutters must be transferred within downspouts directly into lower-level gutters and sealed. An alternative to this would be to install water diverters.

Install Leaf Relief® System

Place the Leaf Relief® sections on top of the gutter with the vinyl strip against the fascia or drip edge. For proper function, the Leaf Relief® surfaces (front-to-back) must be level or have a slight slope toward the fascia. (Figure 1)

For best support, place Leaf Relief® so that the piece nearest the hanger is beneath the adjoining Leaf Relief® section (overlap 1/2" with adjacent Leaf Relief® section – do not butt). Add or replace hangers as needed for proper support (maximum support spacing is 30"). (Figure 2)

Starting at one end, fasten front of Leaf Relief® to gutter every 24" using #6-3/8" screws (SQ6X038).

NOTE: To prevent overflow, all inside corners and valleys must have a water diverter/deflector. Diverter/deflector must be installed on the top surface of Leaf Relief®.

Leaf Relief® Installation (Mitered Corners)

Outside Corners

Use perforation pattern as a guide to create corners. Using tin snips, cut diagonally along the perforation to create a 45° angle, starting at the outside edge and cutting as shown, through the plastic strip. Notch and remove one inch of the front edge and plastic strip from the newly formed angle. When mounted, the pieces will overlap one inch and form a 90° outside corner. Place one screw through the overlapping pieces. Attach to back through plastic strip, with screws, two inches from the point of the corner. (Figure 1, 2)

Leaf Relief® Installation (Mitered Corners) continued

Inside Corners

Use perforation pattern as a guide to create corners. Using tin snips, cut diagonally along the perforation to create a 45° angle, starting at the rear edge (plastic strip) and cutting as shown, until complete. Notch and remove one inch of the front edge and plastic strip from the newly formed angle. When mounted, the pieces will overlap one inch and form a 90° inside corner. Place one screw through the overlapping pieces. Attach to back through plastic strip, with screws, two inches from the point of the corner.

Or use bendable 1" x 6" support (V Support) beneath areas where no hanger exists.

Important

To prevent overflow, all inside corners and valleys must have a water diverter/deflector, sold separately. Diverter/deflector must be installed on the top surface of the Leaf Relief® (behind front lip). (Figure 3, 4, 5)

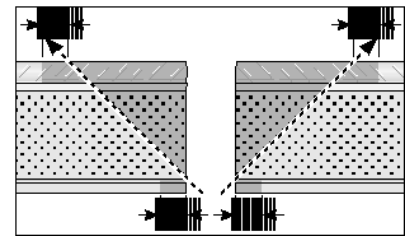


Fig. 1

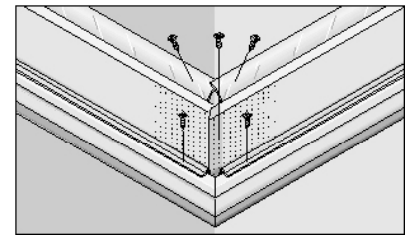


Fig. 2

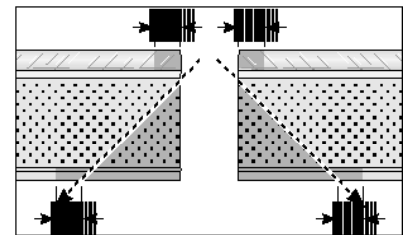


Fig. 3

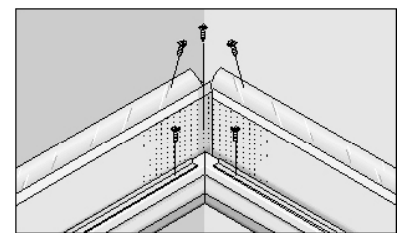


Fig. 4

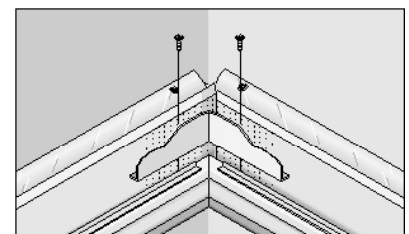


Fig. 5

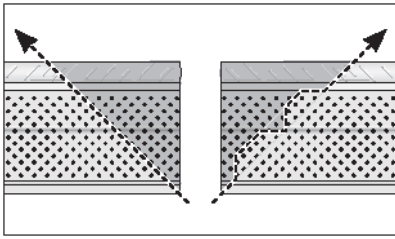


Fig. 1

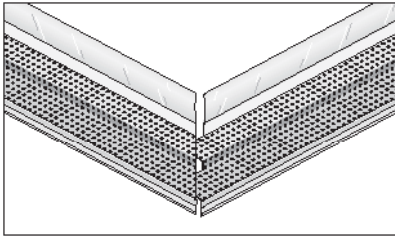


Fig. 2

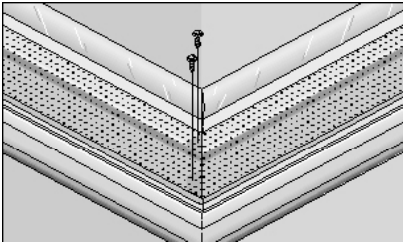


Fig. 3

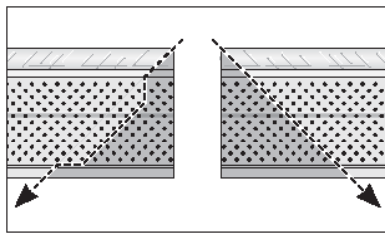


Fig. 4

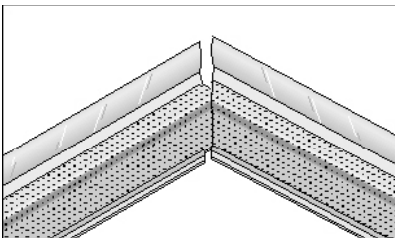


Fig. 5

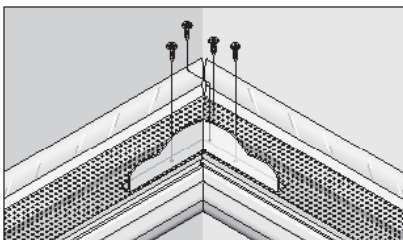


Fig. 6

*TP53ZIP/TP63ZIP –
Outside Corner*

Use the perforated pattern to cut a 45° angle at the ends of the Leaf Relief sections. Then cut away 1" from the front, first step and back of one section as shown.

Overlap sections by 1" and attach with a #6x3/8" stainless steel screw. (Figure 1, 2, 3)

Use bendable support (V support) beneath areas where no hanger exists or place a screw through the plastic flap.

*TP53ZIP/TP63ZIP –
Inside Corner*

NOTE: Because ZIP product has a stepped profile, pre-fabricated corners can not be used.

Use the perforated pattern to cut a 45° angle at the ends of the Leaf Relief sections. Then cut away 1" from the front and back of one section as shown.

The sections will overlap by 1" and be attached with a #6x3/8" stainless steel screw. (Figure 4, 5, 6)

Use bendable support (V support) beneath areas where no hanger exists or place a screw through the plastic flap.



1-800-587-1339

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Leaf Relief has a 10 year “No Clog, No Overflow” Warranty and is backed by Mastic Home Exteriors. Consult the actual product warranty for complete coverage details. Ply Gem and Leaf Relief are trademarks of the Ply Gem and/or its subsidiaries.

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