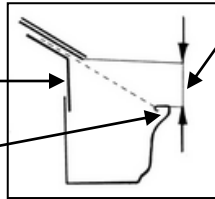


# How to Install IG (the original InvisiGuard™)

- Please read ALL the instructions before you begin! It's not step-by-step.
- When you install IG, make sure you leave no open areas.

Make sure that the back side of gutter is overlapped with flashing

Re-seal existing gutter seams **all the way** up to outside gutter edge

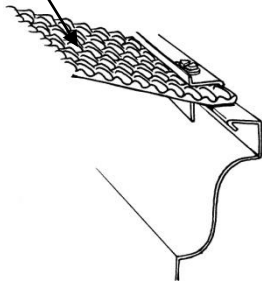


Set the mesh at a downward pitch of:

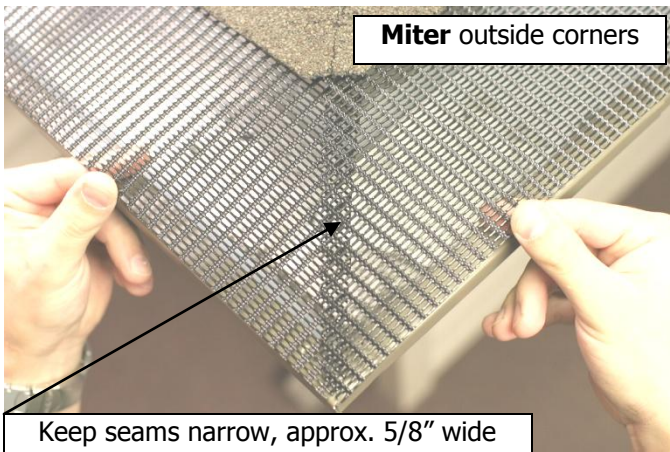
- 2 1/2" or more at high-flow areas (min 1 3/8")
- 1" or more at other areas (min 1/2")

Reset gutters as needed  
**Remember:** the greater the pitch, the better it works! Do not allow mesh to sag. Setting pitch at minimum slows self cleaning process.

IG mesh is **rough** on one side and **smooth** on the other. The **rough** side goes up.

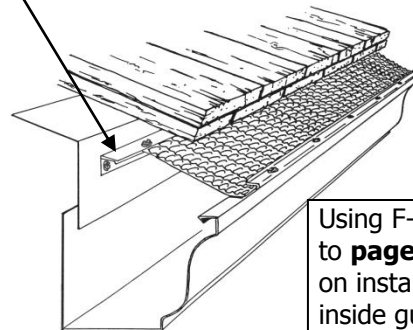


Slide IG under roofing shingles if possible, otherwise use **F-Channels** to attach IG mesh to the gutter flashing.

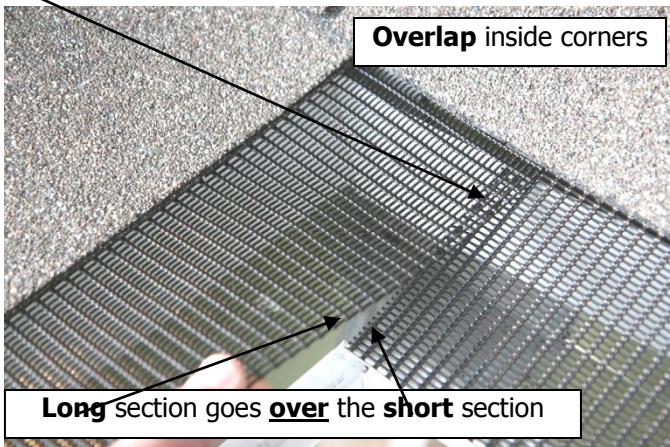


**Miter** outside corners

Keep seams narrow, approx. 5/8" wide



Using F-Channels? Refer to **page 4** for directions on installing them at inside gutter corners.

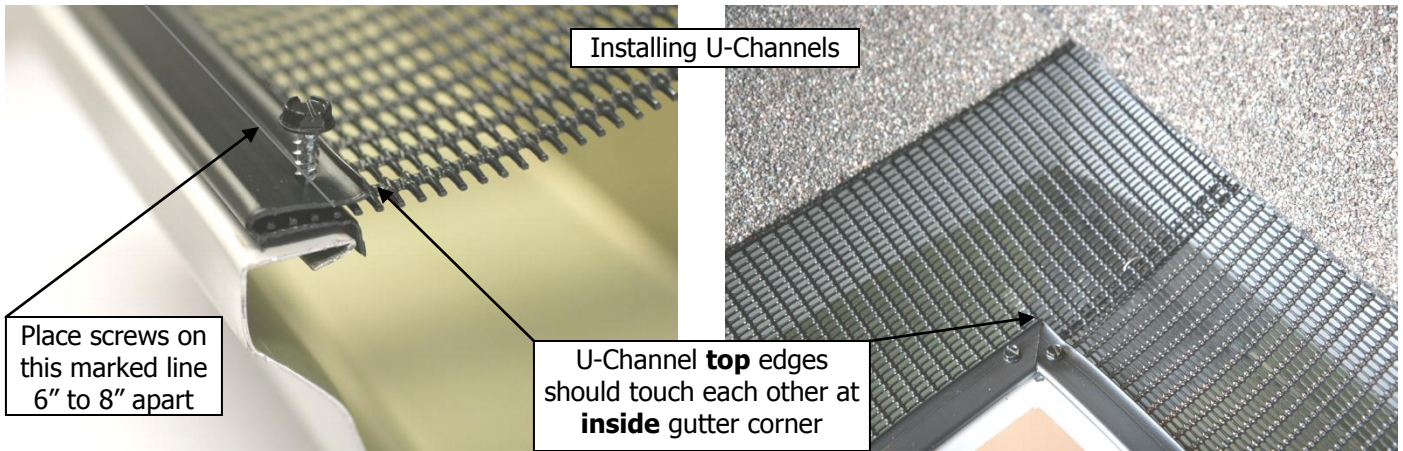


**Overlap** inside corners

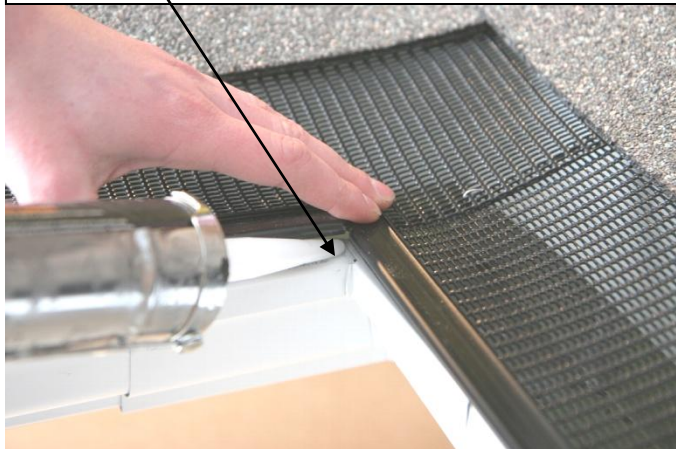
**Long** section goes **over** the **short** section



Stitch every seam with stainless steel wire



Before you screw U-Channels at inside gutter corner, put a bit of clear silicone caulking between U-Channels and gutter rim (approx. 6" in each direction).



Place screws every 12" at roof edge), or place small roofing tar dots there instead.



## Completing high flow areas

**Important:** Make sure ALL high-flow areas pass the garden hose test! Remove the nozzle from your garden hose, position it over the high flow area, and run it full strength. (At extremely large high-flow areas use bucket of water instead of garden hose.) Your goal: no overflows or leaks. Adjust as necessary; don't move on until it passes the test.

Keep in mind: IG can handle very heavy downpours, even at large roof valleys. But in some cases, you may need to slow down the running rainwater. We recommend...

### Water-Speed Controllers

If necessary, you can install Water-Speed Controllers at the bottom of your high-flow areas. You can make these yourself out of rigid metal, matching the material and color to your roofing surface.

- For asphalt shingles, use .032 gauge gutter coil. Choose a color that matches your shingles.
- For copper valleys, use copper sheet.

On page 3, you'll see how to install Water-Speed Controllers on the most popular kind of roof—asphalt shingles with no metal roof valleys. If you have a different roof surface, see our additional instruction sheet: [How To Install Water-Speed Controllers](#).

Use "wet or dry" type roofing tar to attach Water-Speed Controllers. **Do not** use screws or nails!



Water-Speed Controllers installed on asphalt shingle valley



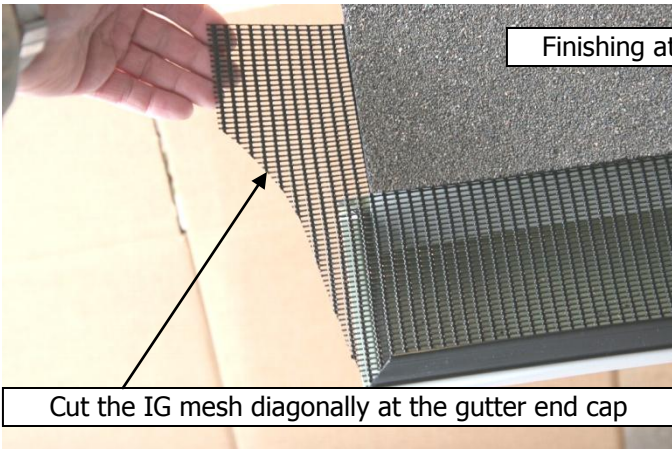
Water-Speed Controllers installed on straight part of asphalt shingle roof



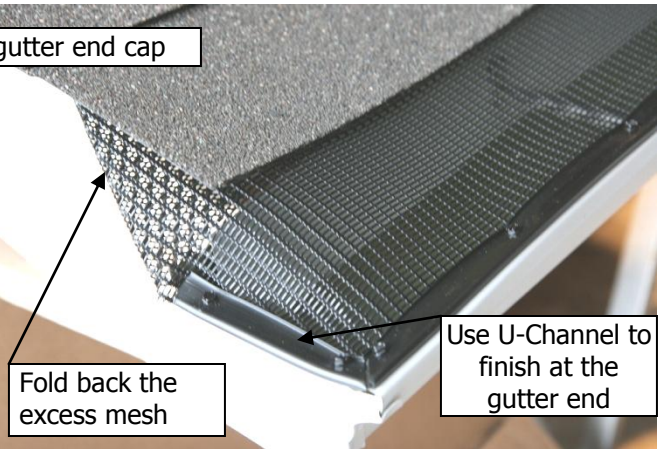
Testing IG at inside gutter corner under roof valley with Water-Speed Controllers



Finishing at the gutter end cap



Cut the IG mesh diagonally at the gutter end cap



Fold back the excess mesh

Use U-Channel to finish at the gutter end

## Finishing Inside Gutter Corners When Using F-Channels

Please follow these instructions by the numbers!

(1) IG mesh **long** section:  
Trim the F-Channel so it ends  
approximately 5/8" above of edge  
of the IG mesh

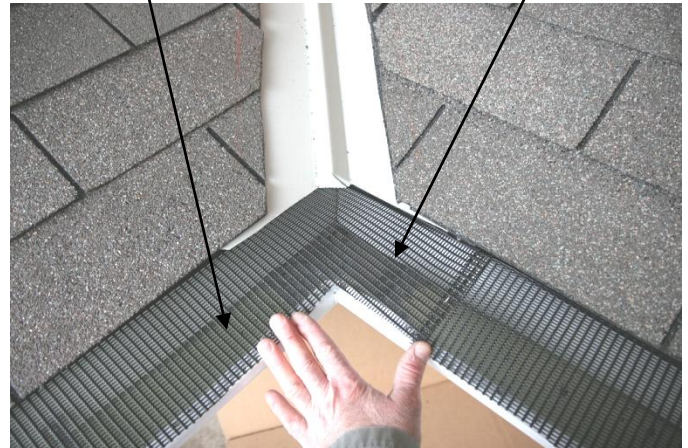
(2) IG mesh **short** section:  
Trim the F-Channel so its edge  
is even with the edge of the IG  
mesh



(3) Install both sections of IG mesh. Attach them to  
gutter flashing:  
• **Short** section goes **under long** section.  
• F-Channels of each section butt against each other.



(4) Trim off IG mesh even with the  
gutter edges.



Set screws 6" to 8" apart when attaching F-Channels to IG mesh and when attaching F-Channels to gutter flashing.

For more info on finishing inside gutter corners, refer back to **Page 1**.

For more information visit [www.InvisiGuard.net](http://www.InvisiGuard.net)

*(IG is protected by U.S. Patent 7,056,433 and Patents Pending.)*